BRUHAT BANGALORE MAHANAGARA PALIKE, BANGALORE

Name of Work: Construction of Dialysis centre at Mallasandra in ward No:13

Measurement Sheets

Part
2nd and ~~Final~~ Bill

Assistant Executive Engineer
Project Division Dasarahalli
BBMP, Bangalore

Executive Engineer
Project Division Dasarahalli
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
EIRL-1	KSRB 2.2.6 : Excavation 1.5m and above in width in hard rock by chiselling and / or wedging, where blasting is prohibited for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m. in depth stacking the excavated stuff clear from the edge of excavation with lead upto 50m including cost of labour complete as per specifications. Specification.							
Measurement Recorded on:-			07-01-2019					
	For Column Footing							
	F1		2	4.65	3.95	1.20	44.08	
	F2		2	4.40	3.70	1.15	37.44	
	F3		1	4.50	2.80	1.10	13.86	
	F4		2	3.15	2.60	1.00	16.38	
	F5		1	3.49	2.55	1.00	8.89	
	F6		1	3.40	2.70	1.05	9.64	
	F7		3	3.80	2.90	1.00	33.06	
	CF1		1	5.64	5.39	1.40	42.52	
	CF2		1	5.76	3.40	1.25	24.46	
	CF3		1	7.10	3.38	1.40	33.55	
	CF4		1	13.20	3.85	1.25	63.53	
	CF5		1	6.40	4.20	1.25	33.60	
	CF6		1	1.00	15.23	1.20	18.27	
	Deduction	0.5	-1	1.36	13.10	1.25	-11.14	
						Total	**368.14**	

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

NEWZEN CONSULTANT BANGALORE
Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
EIRL-2	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I No 4.31, P No.							
Measurement Recorded on:-		04-02-2019 & 15-02-2019						
	Vertical Wall Shuttering							
	Plinth Beam							
	PB1-2		1	10.90		0.750	8.18	
	PB3-4		2	10.90		0.750	16.35	
	PB5-6		1	10.90		0.750	8.18	
	PB7		1	4.00		0.750	3.00	
	PB8		1	2.80		0.750	2.10	
	PB9		1	2.60		0.750	1.95	
	PB10-11-12		1	10.20		0.750	7.65	
	PB13		1	3.10		0.750	2.33	
	PB14a-14-15-16-16a		1	11.60		0.750	8.70	
	PB1-17-18		1	11.60		0.750	8.70	
	PB1-19-23		1	18.85		0.750	14.14	
	PB1-24		2	3.86		0.750	5.79	
	PB25		1	6.00		0.750	4.50	
	PB26-30		1	18.85		0.750	14.14	
	PB31-32		1	9.60		0.750	7.20	
	PB33-34		1	9.60		0.750	7.20	
	PB35-36		1	5.40		0.750	4.05	
	PB37-38		1	8.35		0.750	6.26	
	PB39-42		1	13.20		0.750	9.90	
	Retaining wall sides							
	B/W Grid A and H along 1	2	1	21.77	....	5.850	254.65	
	B/W Grid 1 and 2 along H	2	1	3.58	....	5.850	41.89	
	B/W Grid H and J along 4	2	1	9.03	....	3.400	61.40	
	B/W Grid 4 and 11 along J	2	1	12.50	....	2.000	49.98	
	B/W Grid H and J along 11	2	1	11.31	....	3.400	76.91	
	B/W Grid A and G along 3	2	1	13.92	....	3.400	94.62	
	B/W Grid 1 and 3 along A	2	1	12.01	....	3.400	81.67	
	Front Portion	2	2	6.00	....	5.850	140.40	
	With Footing							
	For F1	2	1	0.20	....	2.350	0.94	
	For F4	2	1	0.20	....	2.550	1.02	
	For CF3	2	1	0.20	....	2.150	0.86	
	Lift pit Shear Wall	2	1	2.80	....	1.700	9.52	
		2	1	2.00	....	1.700	6.80	

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
		2	1	2.80	....	1.700	9.52	
		2	1	2.00	....	1.700	6.80	
	Sump							
	Bottam Raft		1	3.75	....	4.600	17.25	
	Longer Wall	2	2	4.20	....	1.600	26.88	
	Short Wall	2	2	2.95	....	1.600	18.88	
	Haunch	1	2	0.30	....	2.950	1.77	
		1	2	0.30	....	2.950	1.77	
	Top Slab	1	1	4.20	....	3.350	14.07	
						Present Qty	**1057.90**	**Sqm**

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
EIRL-3	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4							
Measurement Recorded on:-				21-05-2019 to 18-08-2019 - 14/09/2019				
	Southern wall	1	1	15.29	....	3.00	45.87	
	Northern Wall	1	1	10.65	....	3.00	31.95	
	Western wall	1	1	9.06	....	3.00	27.18	
	F1-F2	1	1	2.54	....	3.00	7.62	
	H4-H6	1	1	1.80	....	3.00	5.40	
	H5-I5	1	1	5.25	....	3.00	15.75	
	I 4-I 5	1	1	0.795	....	3.00	2.39	
	I 5-I 6	1	1	2.80	....	3.00	8.40	
	J4-J6	1	1	3.80	....	0.45	1.71	
		1	1	0.90	....	0.45	0.41	
	J4-J4'	1	1	0.82	....	2.00	1.64	
	Entrance Wall	1	1	6.44	....	3.00	19.32	
	I8-I10	1	1	3.44	....	3.00	10.32	
	I10-I11	1	1	0.40	....	3.00	1.20	
	H6'-I6 (doctor room)	1	1	2.43	....	3.00	7.29	
	H8- I8	1	1	5.42	....	3.00	16.26	
	H10-I10	1	1	4.67	....	3.00	14.01	
	H8-H10	1	1	2.69	....	3.00	8.07	
	Lift wall	1	1	1.46	....	3.00	4.38	
		1	2	2.00	....	3.00	12.00	
	Ramp Wall	1	1	5.20	CM 1:4	2.00	10.40	
		1	1	4.50	"	2.00	9.00	
		1	1	1.75	....	1.20	2.10	
	UPS room side 1	1	1	3.09	....	3.00	9.27	
	UPS room side 2	1	1	4.53	....	3.00	13.59	
	E2-D2	1	1	3.54	....	3.00	10.62	
	E2-F2	1	1	2.06	....	3.00	6.18	
	E1-E2	1	1	3.85	....	3.00	11.55	
	D1-D2	1	1	3.26	....	3.00	9.78	
	A2- B2	1	1	2.10	....	3.00	6.30	
	Upper floor lift wall	1	1	7.20	....	2.00	14.40	
	Stair case room	1	1	16.00	....	2.00	32.00	
	Parapet wall-staircase-lift	1	1	52.00	....	0.88	45.76	
	Deduct col length	1	-1	13.00	....	0.90	-11.70	
	Deduct Doors	1	-2	1.05	....	2.10	-4.41	
		1	-2	0.90	....	2.10	-3.78	

Asst. Executive Engineer
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BBMP, Bangalore

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Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
	Deduct Ventilaters	1	-7	0.75		0.60	-3.15	
	Deduct Windows	1	-9	1.50		1.20	-16.20	
		1	-2	0.90		1.20	-2.16	
	Min entrance opening	1	-1	4.40		2.40	-10.56	
	deduct ent gate	1	-1	3.00		0.90	-2.70	
						Present Qty	**367.45**	**Sqm**

Contractor

Assistant Engineer(P)
Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

NEWZEN CONSULTANT BANGALORE

Consultancy

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-4	KSRB 5-11 : Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4							
Measurement Recorded on:-				21-08-2019 to 18.08.2019 - 14/09/2019				
	Wash room (G)	1	1	3.40	....	3.00	10.20	
		1	1	2.93	....	3.00	8.79	
		1	1	3.29	....	3.00	9.87	
	Wash room (D)	1	1	3.09	....	3.00	9.27	
		1	1	3.04	....	3.00	9.12	
		1	1	1.30	....	3.00	3.90	
		1	1	1.64	....	3.00	4.92	
	Wash room (N)	1	1	2.10	....	3.00	6.30	
		1	1	1.62	....	3.45	5.59	
	Washing room	1	1	2.93	....	3.45	10.11	
		1	1	3.55	....	3.45	12.25	
	Deduct :-D2	1	-4	0.75	....	2.10	-6.30	
	D1	1	-2	0.90	....	2.10	-3.78	
	D	1	-1	1.05	....	2.10	-2.21	
						Present Qty	**78.03**	**Sqm**

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

Contractor

Assistant Engineer(P)
Dasarahalli,BBMP

Consultancy

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Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-5	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., complete as per specifications and directions of the Engineer in charge.							
Measurement Recorded on:-		21-05-2019						
		1	1				1.00	**Rmt**

Contractor

Assistant Engineer(P)
Dasarahalli,BBMP

NEWZEN CONSULTANT BANGALORE

Consultant

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-6	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) 0 to 50 m complete as per specifications and directions of the Engineer in charge.							
Measurement Recorded on:-				21-05-2019				
(a)	(Page. 46/ I: 9.1)PRED SR 2012-13.FOR 0-50 mtr							
	0- 50 mt		1	50.00			**50.00**	**Rmt**
	50 -100 mt		1	50.00			**50.00**	**Rmt**
	100 -150 mt		1	50.00			**50.00**	**Rmt**
	150 -200 mt		1	50.00			**50.00**	**Rmt**
	200 -250 mt		1	50.00			**50.00**	**Rmt**
	250-300 mtr		1	50.00			**41.00**	**Rmt**

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-7	Providing and fixing 160mm Borewell Cap complete as per specifications and directions of the Engineer in charge.							
Measurement Recorded on:-			21-05-2019					
			1	1			1.00	**No's**

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP
Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-8	Atalanta, suguna, CRI KIRLOSKER and other equipment pumps 10.00HP/7.5 KV (20 stage) P. No. XLI I.No.29) KPWD SR 2016-17)							
Measurement Recorded on:-		21-05-2019						
			1				1.00	No's

Contractor

NEWZEN CONSULTANT BANGALORE

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-9	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour, charges HOM of equipments complete as per specifications.							
Measurement Recorded on:-				21-05-2019				
			1	200.00			200.00	**Rmt**

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-10	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A. 3C x 4 Sqm mm KPWD Electrical SR 2014-15 complete as per specifications and directions of the Engineer in charge.							
Measurement Recorded on:-				21-05-2019				
			1	200.00			200.00	**Rmt**

Contractor

Assistant Engineer(P)
Dasarahalli,BBMP

Consultant

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-11	Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) Page No. 558, Items No-3 BWSSB SR for 2014-15) complete as per specifications and directions of the Engineer in charge.							
Measurement Recorded on:-			21-05-2019					
			1	130.00			130.00	**Rmt**

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-12	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., KPWD Electrical SR 2014-15 complete as per specifications and directions of the Engineer in charge.							
Measurement Recorded on:-			21-05-2019					
			1	1			**1.00**	**No's**

Contractor

Consultant

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-13	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A core 16 Sqmm KPWD Electrical SR 2014-15 complete as per specifications and directions of the Engineer in charge.							
Measurement Recorded on:-			21-05-2019					
			1	30.00			30.00	**No's**

Contractor

Assistant Engineer(P)
Dasarahalli,BBMP

KANZEN CONSULTANT * BANGALORE *
Consultancy

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-14	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15 complete as per specifications and directions of the Engineer in charge.							
Measurement Recorded on:-			21-05-2019					
			1	30.00			30.00	**Rmt**

Contractor

Consultant

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-15	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to th complete as per specifications and directions of the Engineer in charge.e required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, KPWD Electrical SR 2014-15 complete as per specifications and directions of the Engineer in charge.							
Measurement Recorded on:-				21-05-2019				
			1	30.00			30.00	**Rmt**

Contractor

Assistant Engineer(P)
Dasarahalli,BBMP

Consultancy

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

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Project Division, Dasrahalli Zone
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BRUHATH BANGALORE MAHANAGARA PALIKE

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Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-16	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV KPWD Electrical SR 2014-15 (40mm dia GI pipe) complete as per specifications and directions of the Engineer in charge.							
Measurement Recorded on:-			21-05-2019					
			1	12.00			12.00	**Rmt**

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-17	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. No. 62 / 1.No. 7.13.2 KPWD Electrical SR 2014-15							
Measurement Recorded on:-			21-05-2019					
			1	1			1.00	**Each**

Contractor

Assistant Engineer(P)
Dasarahalli,BBMP

Consultancy

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-18	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge. NO KBS PWD SR 2015-16 50 mm dia							
Measurement Recorded on:-			21-05-2019					
			1	1			1.00	**No's**

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-19	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete P. XXXVII PWD SR 2015-16							
Measurement Recorded on:-				21-01-2015				
			1	4			4.00	**No's**

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-20	Fabricating supplying and mounting MS box made out … SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete as per specifications and directions of the Engineer in charge.KPWD Electrical SR 2014-15							
Measurement Recorded on:-			21-05-2019					
			1	23400			**23400.00**	**Sqcm**

Contractor

Consultant

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
EIRL-21	Supplying fully automatic store detta starer unit push button type with suitable wires three contractors one adjustable termal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3pase and wired offter fixing to the wooden board for motor upto 12.50 HP (KPWD electrical SR for 2014-15 complete as per specifications and directions of the Engineer in charge.							
Measurement Recorded on:-			21-05-2019					
			1	1			1.00	**No's**

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
EIRL-22	PROVIDING **TRAPEZOIDAL PROFILED SHEET** Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.							
Measurement Recorded on:-				21-01-2019				
			1	9.0		4.00	**36.00**	**No's**

Contractor

Assistant Engineer(P)
Dasarahalli,BBMP

Consultant

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP
Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of thorney jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications.MORTH / Chapter 2							
Measurement Recorded on:-		Pre-measurement 02-01-2019						
	Overhead debris & shrubs	Sqm	1	35.00	16.00		560.00	
		Sqm	1	15.00	6.00		90.00	
						Total Qty	**650.00**	
						Qty Paid in 1st R.A. bill	**625.00**	
						Present Qty	**25.00**	**Cum**

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
3	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water cum supply, sanitary lines and electrical conduits either in pits or in trenches1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m.after breaking of clods complete as per specifications,specification. No. KBS 2.1(b)/2:3.5							
Measurement Recorded on:-		08-1-19						
	A1B1A2B2		1	3.41	3.41	4.53	52.60	
	B1C1B2C2		1	3.12	3.12	4.53	44.06	
	C1D1C2D2		1	2.90	2.90	4.53	38.16	
	D1F1D2F2		1	2.68	2.68	3.40	24.47	
	A2B2A3B3		1	3.17	3.17	4.53	45.51	
	B2C2B3C3		1	3.00	3.00	4.53	40.73	
	C2D2C3D3		1	3.00	3.00	4.53	40.73	
	D2F2D3F3		1	3.05	3.05	3.40	31.72	
	A3B3A4B4		1	3.25	3.25	4.53	47.86	
	B3C3B4C4		1	3.00	3.00	4.53	40.73	
	C3D3C4D4		1	3.00	3.00	4.53	40.73	
	D3F3D4F4		1	3.10	3.10	3.40	32.74	
	A4B4A5B5		1	3.33	3.33	4.53	50.24	
	B4C4B5C5		1	3.00	3.00	4.53	40.73	
	C4D4C5D5		1	3.00	3.00	4.53	40.73	
	D4E4D5E5		1	3.15	3.15	3.40	33.76	
	A5B5A6B6		1	3.41	3.41	4.53	52.61	
	B5C5B6C6		1	3.00	3.00	4.53	40.73	
	C5D5C6D6		1	3.00	3.00	4.53	40.73	
	D5F5D6F6		1	3.16	3.16	3.40	33.96	
	A6B6A7B7		1	3.49	3.49	4.53	54.99	
	B6C6B7C7		1	3.00	3.00	4.53	40.73	
	C6D6C7D7		1	3.00	3.00	4.53	40.73	
	D6E6D7E7		1	3.12	3.12	3.40	33.20	
	E6F6E7F7		1	1.69	1.69	3.40	9.76	
	A7B7A8B8		1	3.34	3.34	4.53	50.44	
	B7C7B8C8		1	3.11	3.11	4.53	43.71	
	C7D7C8D8		1	3.00	3.00	4.53	40.73	
	D7E7D8E8		1	3.00	3.00	3.40	30.60	
	E7F7E8F8		1	2.35	2.35	3.40	18.80	
	B8C8B9C9		1	3.34	3.34	4.53	50.60	
	C8D8C9D9		1	3.00	3.00	4.53	40.73	
	D8E8D9E9		1	3.00	3.00	3.40	30.60	
	E8F8E9F9		1	2.86	2.86	3.40	27.85	
	B9C9B10C10		1	3.05	3.05	3.40	31.55	
	C9D9C10D10		1	3.00	3.00	3.40	30.60	
	D9E9D10E10		1	2.92	2.92	3.40	29.07	

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
	E9F9E10F10		1	2.98	2.98	3.40	30.12	
	B10C10B11C11		1	2.49	2.49	3.40	21.08	
	C10D10C11D11		1	2.03	2.03	3.40	14.01	
	D10E10D11		1	1.07	1.07	3.40	3.91	
	EWE for sump		1	4.50	3.65	1.85	30.39	
	for side wall		2	5.65	0.75	0.60	5.09	
	for ext staircase		1	7.50	0.85	0.60	3.83	
						Total	**1,526.58**	**Cum**
				Qty Paid in 1st R.A. Bill			**358.68**	**Cum**
					Present Qty		**1,167.91**	**Cum**

Contractor

Consultancy

NEWZEN CONSULTANT * BANGALORE *

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
6	KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier underand around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7							
Measurement Recorded on:-			08-01-2019					
	For Column Footing							
	F1		2	4.65	3.95		36.74	
	F2		2	4.40	3.70		32.56	
	F3		1	4.50	2.80		12.60	
	F4		2	3.15	2.60		16.38	
	F5		1	3.49	2.55		8.89	
	F6		1	3.40	2.70		9.18	
	F7		3	3.80	2.90		33.06	
	CF1		1	5.64	5.39		30.37	
	CF2		1	5.76	3.40		19.57	
	CF3		1	7.10	3.38		23.96	
	CF4		1	13.20	3.85		50.82	
	Deduction	-0.5	1	1.36	13.10		-8.91	
	CF5		1	6.40	4.20		26.88	
	CF6		1	1.00	15.23		15.23	
						Total	**307.32**	
						Qty Paid in 1st R.A. Bill	**208.80**	
						Present Qty	**98.52**	

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

ZEN CONSULTANT * BANGALORE * Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
7	KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2							
Measurement Recorded on:-		18-01-2019						
	PCC for Bed							
	For Column Footing							
	F1		2	4.65	3.95	0.15	5.51	
	F2		2	4.40	3.70	0.15	4.88	
	F3		1	4.50	2.80	0.15	1.89	
	F4		2	3.15	2.60	0.15	2.46	
	F5		1	3.49	2.55	0.15	1.33	
	F6		1	3.40	2.70	0.15	1.38	
	F7		3	3.80	2.90	0.15	4.96	
	CF1		1	5.64	5.39	0.15	4.56	
	CF2		1	5.76	3.40	0.15	2.94	
	CF3		1	7.10	3.38	0.15	3.59	
	CF4		1	13.20	3.85	0.15	7.62	
	CF5		1	6.40	4.20	0.15	4.03	
	CF6		1	1.00	15.23	0.15	2.28	
	Deduction		-1	1.36	13.10	0.15	-2.67	
	Stub column							
	Footing		7	0.45	0.55	0.15	0.26	
	Internal Staircase Footing		1	1.7	0.8	0.15	0.20	
	External Staircase Footing		1	7.4	0.8	0.15	0.89	
	Retaining Wall							
	With footing							
	B/W Grid A and H along 1		1	21.77	1.30	0.15	4.24	
	B/W Grid 1 and 2 along H		1	3.58	1.30	0.15	0.70	
	B/W Grid H and J along 4		1	9.03	1.30	0.15	1.76	
	B/W Grid 4 and 11 along J		1	12.50	1.30	0.15	2.44	
	B/W Grid G and J along 11		1	11.31	1.30	0.15	2.21	
	B/W Grid A and G along 3		1	13.92	1.30	0.15	2.71	
	B/W Grid 1 and 3 along A		1	12.01	1.30	0.15	2.34	
	Front Portion Side wall		2	6.00	1.30	0.15	2.34	
	retaining wall str		1	7.20	1.30	0.15	1.40	
	Deduction		-1	0.60	1.30	0.15	-0.12	
			-1	7.14	1.30	0.15	-1.39	
	Without Footing		1	0.60	0.15	0.15	0.01	

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill 18-01-2019

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
						Qty	64.76	
	Plinth Beam							
	Qty Vide Measurement Sheet No.....						9.68	
	Flooring							
	Qty Vide Measurement Sheet No.....						40.67	
					Total qty		**115.12**	
				Qty Paid in 1st R.A. Bill			**88.14**	
					Present Qty		**26.98**	

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
7	KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2							
Measurement Recorded on:-			28-02-2015					
	Flooring							
	S1		1	3.98	3.56	0.15	2.13	
	S2		1	6.34	3.56	0.15	3.38	
	S3		2	3.98	3.56	0.15	4.25	
	S4		2	6.34	3.56	0.15	6.77	
	S5		1	3.98	3.65	0.15	2.18	
	S6		1	1.00	13.16	0.15	1.97	
	S7		1	1.00	20.49	0.15	3.07	
	S8		1	1.00	7.60	0.15	1.14	
	S9		1	3.06	2.69	0.15	1.23	
	S10		1	2.71	5.95	0.15	2.42	
	S11		1	3.06	3.06	0.15	1.40	
	S12		1	3.85	3.46	0.15	2.00	
	S13		1	2.71	3.46	0.15	1.41	
	S14		1	4.23	3.46	0.15	2.20	
	Flooring below Ext. Staircase		1	2.34	4.50	0.15	1.58	
			1	4.60	0.75	0.15	0.52	
	Ramp Footing		1	1.74	0.70	0.15	0.18	
	Sump tank		1	4.80	3.95	0.15	2.84	
						Total	**40.67**	

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

CONSULTANT * BANGALORE * NEWZEN

Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
7	KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2							
	Measurement Recorded on:-		08-02-2019					
	Plinth Beam							
	PB1-2		1	10.90	0.35	0.15	0.57	
	PB3-4		2	10.90	0.35	0.15	1.14	
	PB5-6		1	10.90	0.35	0.15	0.57	
	PB7		1	4.00	0.35	0.15	0.21	
	PB8		1	2.80	0.35	0.15	0.15	
	PB9		1	2.60	0.35		0.00	
	PB10-11-12		1	10.20	0.35	0.15	0.54	
	PB13		1	3.10	0.35	0.15	0.16	
	PB14a-14-15-16-16a		1	11.60	0.35	0.15	0.61	
	PB1-17-18		1	11.60	0.35	0.15	0.61	
	PB1-19-23		1	18.85	0.35	0.15	0.99	
	PB1-24		2	3.86	0.35	0.15	0.41	
	PB25		1	6.00	0.35	0.15	0.32	
	PB26-30		1	18.85	0.35	0.15	0.99	
	PB31-32		1	9.60	0.35	0.15	0.50	
	PB33-34		1	9.60	0.35	0.15	0.50	
	PB35-36		1	5.40	0.35	0.15	0.28	
	PB37-38		1	8.35	0.35	0.15	0.44	
	PB39-42		1	13.20	0.35	0.15	0.69	
						Total qty	**9.68**	

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
10	KSRB 4.2.1: Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excludingcost of reinforcement as per specifications.Specification No. KBS Specification No. KBS 4.1,4.64.1,4.6							
Measurement Recorded on:-		29-01-2019						
	Footings							
	Foundation							
	F1		2	4.45	3.75	0.95	31.71	
	F2		2	4.20	3.50	0.90	26.46	
	F3		1	4.30	2.60	0.85	9.50	
	F4		2	2.95	2.40	0.75	10.62	
	F5		1	3.29	2.35	0.75	5.79	
	F6		1	3.25	2.50	0.80	6.50	
	F7		3	3.60	2.70	0.75	21.87	
	CF1		1	5.64	4.90	1.15	31.75	
	CF2		1	5.56	3.20	1.00	17.78	
	CF3		1	6.90	3.18	1.15	25.19	
	CF4		1	13.08	3.67	0.50	24.00	
			1	13.08	1.20	0.45	7.06	
	CF5		1	6.40	4.20	1.10	29.57	
	CF6		1	4.51	2.69	0.95	11.53	
	Retaining Wall footing concrete							
	B/W Grid A and H along 1		1	21.77	1.20	0.425	11.10	
	B/W Grid 1 and 2 along H		1	3.58	1.20	0.425	1.83	
	B/W Grid H and J along 4		1	9.03	1.20	0.425	4.61	
	B/W Grid G and J along 11		1	11.31	1.20	0.425	5.77	
	B/W Grid A and G along 3		1	13.92	1.20	0.425	7.10	
	B/W Grid 1 and 3 along A		1	12.01	1.20	0.425	6.13	
	Front Portion		2	5.65	1.20	0.425	5.76	
			2	7.50	1.20	0.43	7.65	
						Total	**309.26**	**Cum**
						Qty Paid in 1st R.A. Bill	**106.74**	**Cum**
						Present Qty	**202.53**	**Cum**

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
11	KSRB 2.3: Filling available excavated earth (excluding rock) in sides cum of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9							
Measurement Recorded on:-		06-02-2019						
	Total Excavated Earth							
	item no: 3						1,526.58	
	EIRL -1 item hard rock						368.14	
						total:-	1894.72	
	considering 35% after excluding rocks						663.15	
	Deduction Qty							
	PCC @ I.No.7 (PCC for footing)						110.86	
	Footings &Pedastals Concrete qty @ I.No.13						309.26	
	Plinth Beam qty						9.82	
						Total	**233.21**	
						Qty Paid in 1st R.A. Bill	**179.34**	
						Present Qty	**53.87**	

Contractor

NEWZEN CONSULTANT BANGALORE

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
12	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications, specification. No. KBS 2.9.9/2.9.10.1/2.1.1							
Measurement Recorded on:-	25-02-2019							
	Flooring							
	A1B1A2B2		1	3.41	3.41	1.65	19.18	
	B1C1B2C2		1	3.12	3.12	1.65	16.07	
	C1D1C2D2		1	2.90	2.90	1.65	13.92	
	D1F1D2F2		1	2.68	2.68	1.65	11.87	
	A2B2A3B3		1	3.17	3.17	1.65	16.60	
	B2C2B3C3		1	3.00	3.00	1.65	14.85	
	C2D2C3D3		1	3.00	3.00	1.65	14.85	
	D2F2D3F3		1	3.05	3.05	1.65	15.39	
	A3B3A4B4		1	3.25	3.25	1.65	17.45	
	B3C3B4C4		1	3.00	3.00	1.65	14.85	
	C3D3C4D4		1	3.00	3.00	1.65	14.85	
	D3F3D4F4		1	3.10	3.10	1.65	15.89	
	A4B4A5B5		1	3.33	3.33	1.65	18.32	
	B4C4B5C5		1	3.00	3.00	1.65	14.85	
	C4D4C5D5		1	3.00	3.00	1.65	14.85	
	D4E4D5E5		1	3.15	3.15	1.65	16.38	
	A5B5A6B6		1	3.41	3.41	1.65	19.18	
	B5C5B6C6		1	3.00	3.00	1.65	14.85	
	C5D5C6D6		1	3.00	3.00	1.65	14.85	
	D5F5D6F6		1	3.16	3.16	1.65	16.48	
	A6B6A7B7		1	3.49	3.49	1.65	20.05	
	B6C6B7C7		1	3.00	3.00	1.65	14.85	
	C6D6C7D7		1	3.00	3.00	1.65	14.85	
	D6E6D7E7		1	3.12	3.12	1.65	16.11	
	E6F6E7F7		1	1.69	1.69	1.65	4.74	
	A7B7A8B8		1	3.34	3.34	1.65	18.39	
	B7C7B8C8		1	3.11	3.11	1.65	15.94	
	C7D7C8D8		1	3.00	3.00	1.65	14.85	
	D7E7D8E8		1	3.00	3.00	1.65	14.85	
	E7F7E8F8		1	2.35	2.35	1.65	9.12	

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
	B8C8B9C9		1	3.34	3.34	1.65	18.45	
	C8D8C9D9		1	3.00	3.00	1.65	14.85	
	D8E8D9E9		1	3.00	3.00	1.65	14.85	
	E8F8E9F9		1	2.86	2.86	1.65	13.51	
	B9C9B10C10		1	3.05	3.05	1.65	15.31	
	C9D9C10D10		1	3.00	3.00	1.65	14.85	
	D9E9D10E10		1	2.92	2.92	1.65	14.11	
	E9F9E10F10		1	2.98	2.98	1.65	14.62	
	B10C10B11C11		1	2.49	2.49	1.65	10.23	
	C10D10C11D11		1	2.03	2.03	1.65	6.80	
	D10E10D11		1	1.07	1.07	1.65	1.90	
						Total	**598.77**	**Cum**
						Qty Paid in 1st R.A. Bill	**359.08**	**Cum**
						Present Qty	**239.69**	**Cum**

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
13	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm cum and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Unties, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fiHets Etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications, specification No. KBS 4.t, 4.6							
Measurement Recorded on:-		04-02-2019 & 15-02-2019 & 20.05-2019 & 21-05-2019.						
	Column							
	Foundation to Plinth							
	Pedastal							
	C1(I5-I6-I8-I10-J6-J11-H6-E2)		8	0.30	0.90	1.20	2.59	
	C1(B2-C2-D2)		3	0.30	0.90	3.65	2.96	
	C1(Gridline A2)		1	0.20	0.90	3.65	0.66	
	C2(J9-H9)		2	0.20	0.90	3.65	1.31	
	C3(G11-H11)		2	0.20	0.75	3.65	1.10	
	C3(J4)		1	0.20	0.75	1.20	0.18	
	C4(H5)		1	0.20	0.75	3.65	0.55	
	C4(A3-B3-C3-D3)		4	0.20	0.75	1.20	0.72	
	C5(B1-C1-D1-E1)		4	0.20	0.60	3.65	1.75	
	C6(A1-F1)		2	0.20	0.60	3.65	0.88	
	Stub column							
	Footing		7	0.45	0.55	0.90	1.56	
	Pedastal		7	0.20	0.30	0.90	0.38	
						Qty	**14.63**	
	Plinth Beam							
	Qty Vide Measurement Sheet No.....						14.03	
	Column Plinth to Basement Floor Roof							
	Qty Vide Measurement Sheet No.....						19.55	
	Column Basement Floor Roof to Terrace							
	Qty Vide Measurement Sheet No.....						7.87	

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
	Basement Floor Roof Beam							
	Qty Vide Measurement Sheet No.....						77.81	
					Total qty		**133.89**	
					Approved BOQ qty		**166.26**	
			Qty payable in this Bill is Upto 125%				**133.89**	

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
14	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6							
	A1B1,B1C1,C1D1,A3B3,B3C3,C3D3,A1A2(2 nos), A2A3,D1E1, D1-D2, H6-I6	12	1	1.50		0.45	8.00	
	E1F1, F1F5, H'5-H5	2	1	0.90		0.45	0.81	
		1	1	1.20		0.45	0.54	
		2	1	0.60		0.45	0.54	
	H'5-I5	1	1	1.20		0.45	0.54	
		1	1	0.60		0.45	0.27	
	H10-I10	1	1	1.50		0.45	0.68	
						Present Qty	**11.38**	**sqm**

Contractor

Assistant Engineer(P)
Dasarahalli,BBMP

NEWZEN CONSULTANT * BANGALORE *

Consultant

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
15	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded cum granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2							
	Lintel Beam							
	A1B1	1	1	2.91	0.20	0.20	0.12	
	B1C1	1	1	3.04	0.20	0.20	0.12	
	C1D1	1	1	3.36	0.20	0.20	0.13	
	A3B3	1	1	3.26	0.20	0.20	0.13	
	B3C3	1	1	2.86	0.20	0.20	0.11	
	C3D3	1	1	3.28	0.20	0.20	0.13	
	A1A2	1	1	3.28	0.20	0.20	0.13	
	A2A3	1	1	6.36	0.20	0.20	0.25	
	D1E1	1	1	3.14	0.20	0.20	0.13	
	E1F1	1	1	2.55	0.20	0.20	0.10	
	H'5-H5	1	1	2.69	0.20	0.20	0.11	
	H'5I5	1	1	5.24	0.20	0.20	0.21	
	F1F5	1	1	2.50	0.20	0.20	0.10	
	H10I10	1	1	4.66	0.20	0.20	0.19	
	J7J11	1	1	5.30	0.20	0.20	0.21	
	D2D2'	1	1	3.00	0.20	0.20	0.12	
	LIFT	1	1	2.00	0.20	0.20	0.08	
	UPS	1	1	1.50	0.20	0.20	0.06	
	H8I8	1	1	2.20	0.20	0.20	0.09	
	H6I6 DOOR	1	1	2.45	0.20	0.20	0.10	
		1	1	1.45	0.10	0.20	0.03	
	E2F2, D2E2	1	2	1.65	0.20	0.20	0.13	
	H8I8	1	1	2.05	0.20	0.20	0.08	
	D2	4	1	1.35	0.10	0.20	0.11	
	D1	6	1	1.50	0.10	0.20	0.18	
	D	2	1	1.65	0.20	0.20	0.13	
						Present Qty	**3.29**	**cum**

Contractor

Assistant Engineer(P)
Dasarahalli,BBMP

HANZEN CONSULTANT Consultancy BANGALORE

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
16	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2							
Measurement Recorded on:-								
	Column Footing							
	F1	2	2	4.55	....	0.95	17.29	
		2	2	3.75	....	0.95	14.25	
	F2	2	2	4.20	....	0.90	15.12	
		2	2	3.50	....	0.90	12.60	
	F3	2	1	4.30	....	0.85	7.31	
		2	1	2.60	....	0.85	4.42	
	F4	2	2	2.95	....	0.75	8.85	
		2	2	2.40	....	0.75	7.20	
	F5	2	1	3.29	....	0.75	4.93	
		2	1	2.35	....	0.75	3.53	
	F6	2	1	3.20	....	0.80	5.12	
		2	1	2.50	....	0.80	4.00	
	F7	2	3	3.60	....	0.75	16.20	
		2	3	2.70	....	0.75	12.15	
	CF1	2	1	5.64	....	1.15	12.96	
		2	1	4.86	....	1.15	11.18	
	CF2	2	1	5.56	....	1.00	11.11	
		2	1	3.20	....	1.00	6.40	
	CF3	2	1	6.90	....	1.15	15.87	
		2	1	3.18	....	1.15	7.30	
	CF4	2	1	13.08	....	0.93	24.20	
		2	1	3.67	....	0.93	6.79	
	CF5	2	1	6.20	....	1.10	13.64	
		2	1	4.00	....	1.10	8.80	
	CF6	2	1	4.51	....	0.95	8.57	
		2	1	2.69	....	0.95	5.11	
	Retaining Wall footing							
	B/W Grid A and H along 1	2	1	21.77	....	0.425	18.50	
	B/W Grid 1 and 2 along H	2	1	3.58	....	0.425	3.04	
	B/W Grid H and J along 4	2	1	9.03	....	0.425	7.68	

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
	B/W Grid 4 and 11 along J	2	1	3.95	....	0.425	3.36	
	B/W Grid G and J along 11	2	1	11.31	....	0.425	9.61	
	B/W Grid A and G along 3	2	1	13.92	....	0.425	11.83	
	B/W Grid 1 and 3 along A	2	1	12.01	....	0.425	10.21	
	Front Portion	2	2	5.85	....	0.425	9.95	
	Front staircase portion	2	1	7.50		0.425	6.38	
						Total	**345.44**	
						Qty Paid in 1st R.A. Bill	**197.50**	
						Present Qty	**147.94**	

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
17	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, Sqm. propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2							
Measurement Recorded on:-		04-02-2019 & 15-03-2019, & 06-03-2019 & 21-05-2019						
	Pedestal							
	C1(I5-I6-I8-I10-J6-J11-H6-E2)		8	2.40		1.20	23.04	
	C1(B2-C2-D2)		3	2.40		3.65	26.28	
	C1(Gridline A2)		1	2.40		3.65	8.76	
	C2(J9-H9)		2	2.40		3.65	17.52	
	C3(G11-H11)		2	2.40		3.65	17.52	
	C3(J4)		1	2.40		1.20	2.88	
	C4(H5)		1	2.40		3.65	8.76	
	C4(A3-B3-C3-D3)		4	2.40		1.20	11.52	
	C5(B1-C1-D1-E1)		4	2.40		3.65	35.04	
	C6(A1-F1)		2	2.40		3.65	17.52	
	Stub column							
	Footing	2	7	0.45	....	0.25	1.58	
		2	7	0.55	....	0.25	1.93	
	Pedestal	2	7	0.20	....	0.45	1.26	
		2	7	0.30	....	0.45	1.89	
						Qty	**175.49**	
	Column above BFL upto GFL							
	Qty Vide Measurement Sheet No.....						467.38	
	Column above BFL upto GFL							
	Qty Vide Measurement Sheet No.....						0.00	
						Total	**642.87**	
						Qty Paid in 1st R/A Bill	**384.41**	82.97
						Present Qty	**258.46**	

Contractor

Consultancy

NEW ZEN CONSULTANCY BANGALORE

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
22	KSRB 4-6.11 Providing and removing centering, shuttering, strutting, gqm propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2							
	Measurement Recorded on:-	08-05-2019						
	Internal Staircase							
	1st Fligth							
	Waist Slab	2	1	3.43	....	0.15	1.03	
		1	1	3.43	....	1.50	5.15	
	Steps	2	11	3.43	....	0.14	4.46	
		1	11	1.50	....	0.15	2.48	
	MB	2	1	1.78	....	0.60	2.13	
		1	1	1.78	....	0.15	0.27	
	Landing	1	1	1.78	....	1.50	2.66	
	2nd Flight							
	Landing	1	1	1.78	....	1.50	2.66	
	MB	2	1	1.78	....	0.60	2.13	
		1	1	1.78	....	0.15	0.27	
	Waist Slab	2	1	3.50	....	0.15	1.05	
		1	1	3.50	....	1.50	5.25	
	Steps	2	12	3.50	....	0.15	4.86	
		1	12	1.50	....	0.15	2.70	
	External Staircase							
	External Staricase Concrete							
	Staircase Waist Slab			3.00	5.50		16.50	
	Ramp			1.74	5.50		9.54	
	Waist Slab			7.14	5.50		39.24	
	Steps	0.5	15	3.00	0.30		6.75	
		0.5	15	2.40	0.30		5.40	
						Total Qty	**114.52**	**Sqm**
						Qty Paid in 1st R.A. bill	**83.25**	**Sqm**
						Present Qty	**31.27**	**Sqm**

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
21	KSRB 4-6.10 Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm						
a	A1B1,B1C1,C1D1,A3B3,B3C3,C3D3,A1A2(2 nos), A2A3,D1E1, D1-D2, H6-I6	12	2	3.00		0.20	14.40	
	Chejja bottom	12	1	1.50		0.65	11.70	
b	E1F1, F1F5, H'5-H5	2	2	2.50		0.20	2.00	
		2	1	0.90		0.65	1.17	
		1	1	2.50		0.20	0.50	
		1	1	1.20		0.65	0.78	
		2	1	0.60		0.65	0.78	
C	H'5-I5	1	2	5.24		0.20	2.10	
		1	1	1.20		0.65	0.78	
		1	1	0.60		0.65	0.39	
D	H10-I10	1	2	4.66		0.20	1.86	
		1	1	1.50		0.65	0.98	
E	J7-J11	1	2	5.30		0.30	3.18	
		1	1	4.40		0.20	0.88	
F	lintels for opening	7	2	1.80		0.20	5.04	
	for openings	4	1	1.30		0.20	1.04	
	W2	2	1	0.90		0.20	0.36	
	W3	1	1	1.20		0.20	0.24	
G	lintel side for D2	4	2	1.35		0.20	2.16	
	D2	4	1	0.75		0.10	0.30	
H	lintel for D1	6	2	1.50		0.20	3.60	
	D1	6	1	0.90		0.20	1.08	
						Present Qty	**55.32**	**Sqm**

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

NEWZEN BANGALORE Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
22	KSRB 4-6.11 Providing and removing centering, shuttering, strutting, gqm propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2							
	Measurement Recorded on:-							
	Internal Staircase							
	1st Fligth							
	Waist Slab	2	1	3.43	....	0.15	1.03	
		1	1	3.43	....	1.50	5.15	
	Steps	2	11	3.43	....	0.14	4.46	
		1	11	1.50	....	0.15	2.48	
	MB	2	1	1.78	....	0.60	2.13	
		1	1	1.78	....	0.15	0.27	
	Landing	1	1	1.78	....	1.50	2.66	
	2nd Flight							
	Landing	1	1	1.78	....	1.50	2.66	
	MB	2	1	1.78	....	0.60	2.13	
		1	1	1.78	....	0.15	0.27	
	Waist Slab	2	1	3.50	....	0.15	1.05	
		1	1	3.50	....	1.50	5.25	
	Steps	2	12	3.50	....	0.15	4.86	
		1	12	1.50	....	0.15	2.70	
	External Staircase							
	External Staricase Concrete							
	Staircase Waist Slab			3.00	5.50		16.50	
	Ramp			1.74	5.50		9.54	
	Waist Slab			7.14	5.50		39.24	
	Steps	0.5	15	3.00	0.30		6.75	
		0.5	15	2.40	0.30		5.40	
						Total Qty	**114.52**	**Sqm**
						Qty Paid in 1st R.A. bill	**46.25**	**Sqm**
						Present Qty	**68.27**	**Sqm**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
23	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500							
Measurement Recorded on:-				25|01|2019 to 21|05|2019				
	Footing						7.77	
	Column below plinth						8.74	
	Retaining wall						13.50	
	Plinth Beam						1.877	
	Basement floor Column						7.60	
	Lift Pit or Shear Wall						0.20	
	Sump						0.867	
	internal Staircase						0.47	
	Basement floor roof beam						2.749	
	Basement floor roof slab						2.733	
	ext Staircase Ground Floor						0.80	
	Ground floor ramp						0.33	
	Ground floor column						3.94	
	Lintle Beam & Chajja						0.64	
						Total Qty	**52.22**	
						Qty paid in 1st R.A. bill	**44.73**	
						Present Qty	**7.49**	7.42

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No : 2nd and Final Bill

BARBENDING SCHEDULE FOR FOOTING

Descriptions	Dia of bars	No	L	Total length	ITEM NUMBERS	25	20	16	12	10	8
Measurement recorded on		25/01/2019									
F1(4450X3750)											
H	12	45	4.70	211.5	2	-	-	-	376.47	-	-
V	12	38	5.40	205.2	2	-	-	-	365.26	-	-
								-			
F2(4200X3500)								-			
H	12	43	4.40	189.2	2	-	-	-	336.78	-	-
V	12	36	5.10	183.6	2	-	-	-	326.81	-	-
								-			
F3(4300X2600)								-			
H	12	32	3.45	110.4	1	-	-	-	98.26	-	-
V	12	21	5.15	108.15	1	-	-	-	96.25	-	-
F4(3150X2600)								-			
H	12	26	3.35	87.1	2	-	-	-	155.04	-	-
V	12	21	3.90	81.9	2	-	-	-	145.78	-	-
F5(3285X2350)								-			
H	12	22	3.10	68.2	1	-	-	-	60.70	-	-
V	12	16	4.04	64.56	1	-	-	-	57.46	-	-
F6(3250X2500)								-			
H	12	27	3.30	89.1	1	-	-	-	79.30	-	-
V	12	21	4.05	85.05	1	-	-	-	75.69	-	-
F7(3600X2700)								-			
H	12	29	3.45	100.05	3	-	-	-	267.13	-	-
V	12	22	4.35	95.7	3	-	-	-	255.52	-	-
CF1(5135x5635)						-	-	-	-	-	-
H-Top	10	35	6.79	237.475	1	-	-	-	-	147.23	-
H-Bottom	10	35	6.79	237.475	1	-	-	-	-	147.23	-
V-Top	12	38	6.29	238.83	1	-	-	-	212.56	-	-
V-Bottom	12	38	6.29	238.83	1	-	-	-	212.56	-	-
CHAIRS											
	10	18	3.35	60.3	1	-	-	-	-	37.39	-
CF2(5555X3200)											
H-Top	12	37	4.20	155.4	1	-	-	-	138.31	-	-
H-Bottom	12	33	4.20	138.6	1	-	-	-	123.35	-	-
V-Top	12	22	6.56	144.21	1	-	-	-	128.35	-	-
V-Bottom	12	26	6.56	170.43	1	-	-	-	151.68	-	-
CHAIRS											
	10	12	4.71	56.52	1	-	-	-	-	35.04	-
CF3(6900X3175)						-	-	-	-	-	-
H-Top	16	47	4.33	203.275	1	-	-	321.17	-	-	-
H-Bottom	16	47	4.33	203.275	1	-	-	321.17	-	-	-
V-Top	16	22	8.05	177.1	1	-	-	279.82	-	-	-
V-Bottom	16	22	8.05	177.1	1	-	-	279.82	-	-	-
CHAIRS											
	10	16	3.65	58.4	1	-	-	-	-	36.21	-
CF4(13080x3060)						-	-	-	-	-	-
Horizontal	12	31	5.65	175.0725	1	-	-	-	155.81	-	-
V-Top	10	8	13.53	108.24	1	-	-	-	-	67.11	-
V-Bottom	10	21	13.53	284.13	1	-	-	-	-	176.16	-
CHAIRS											
	10	28	3.20	89.6	1	-	-	-	-	55.55	-
STRAP BEAM-CFB (600x750)											
Top rod.	20	8	13.08	104.64	1	-	257.41	-	-	-	-
Bottom rod	20	8	13.08	104.64	1	-	257.41	-	-	-	-
Stirrups	10	88	2.25	198	2	-	-	-	-	245.52	-
CF5(4000x6200)											
H-Top	12	27	7.30	197.1	1	-	-	-	175.42	-	-
H-Bottom	12	32	7.30	233.6	1	-	-	-	207.90	-	-
V-Top	12	42	5.10	214.2	1	-	-	-	190.64	-	-
V-Bottom	12	50	5.10	255	1	-	-	-	226.95	-	-

Descriptions	Dia of bars	No	L	Total length	ITEM NUMBERS	25	20	16	12	10	8
CHAIRS											
	10	21	3.55	74.55	1	-	-	-	-	46.22	-
CF6(4510X2690)						-	-	-	-	-	-
H-Top	12	18	5.46	98.28	1	-	-	-	87.47	-	-
H-Bottom	12	18	5.46	98.28	1	-	-	-	87.47	-	-
V-Top	12	37	3.64	134.68	1	-	-	-	119.87	-	-
V-Bottom	12	37	3.64	134.68	1	-	-	-	119.87	-	-
CHAIRS											
	10	10	3.25	32.5	1	-	-	-	-	20.15	-
				TOTAL(KGS)		0	514.83	1201.99	5034.64	1013.82	0
				TOTAL(Tonne)		7765.27					
						7.77					

ton

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE Item: 23

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No : 2nd and Final Bill

BARBENDING SCHEDULE FOR COLUMN BELOW PLINTH

Descriptions	Dia of bars	No	L	Total length	ITEM NUMBE	25	20	16	12	10	8
Measurement recorded on 31.01.19											
Column Foundation to Plinth											
Pedastal											
C1(300X900)	16	10	3.13	31.25	8	-	-	395	-	-	-
Stirrups	8	14	2.22	31.14	8	-	-	-	-	-	97.14
	8	14	1.22	17.14	32	-	-	-	-	-	213.86
	25	18	3.13	56.25	8	1728.00	-	-	-	-	-
	8	14	2.02	28.34	8	-	-	-	-	-	88.41
C1(300X900)	16	10	5.53	55.25	3	-	-	261.89	-	-	-
Stirrups	8	31	2.22	68.94	3	-	-	-	-	-	80.66
	8	31	1.22	37.94	12	-	-	-	-	-	177.58
	25	18	5.53	99.45	3	1145.66	-	-	-	-	-
	8	31	2.02	62.74	3	-	-	-	-	-	73.41
C1(200X900)(A-1)	25	18	5.53	99.45	1	381.89	-	-	-	-	-
Stirrups	8	13	2.02	26.31	1	-	-	-	-	-	10.26
	8	13	1.22	15.91	4	-	-	-	-	-	24.82
C2(200X900)	25	18	5.80	104.40	2	801.79	-	-	-	-	-
Stirrups	8	15	2.02	30.36	2	-	-	-	-	-	23.68
	8	15	1.22	18.36	8	-	-	-	-	-	57.28
C3(200X750)	25	12	3.35	40.20	3	463.10	-	-	-	-	-
Stirrups	8	15	1.72	25.86	3	-	-	-	-	-	30.26
	8	15	1.20	18.06	9	-	-	-	-	-	63.39
C4(200X750)	25	8	3.13	25.00	4	384.00	-	-	-	-	-
	20	4	3.13	12.50	4	-	123.00	-	-	-	-
Stirrups	8	14	1.72	24.14	4	-	-	-	-	-	37.65
	8	14	1.20	16.86	12	-	-	-	-	-	78.89
C4(200X750)	25	8	5.60	44.80	1	172.03	-	-	-	-	-
	20	4	5.60	22.40	1	-	55.10	-	-	-	-
Stirrups	8	32	1.72	55.17	1	-	-	-	-	-	21.52
	8	32	1.20	38.53	3	-	-	-	-	-	45.08
C5(200X600)	25	10	5.45	54.50	4	837.12	-	-	-	-	-
Stirrups	8	31	1.42	44.14	4	-	-	-	-	-	68.86
	8	31	1.17	36.39	8	-	-	-	-	-	113.55
	8	31	0.26	8.18	8	-	-	-	-	-	25.53
C6(200X600)	25	6	5.45	32.70	2	251.14	-	-	-	-	-
	20	4	5.45	21.80	2	-	107.26	-	-	-	-
Stirrups	8	31	1.42	44.14	2	-	-	-	-	-	34.43
	8	31	1.17	36.39	8	-	-	-	-	-	113.55
	8	31	0.26	8.18	8	-	-	-	-	-	25.53
Stub Column(200x300)	16	6	1.5	9.00	8	-	-	113.76	-	-	-
Stirrups	8	5	0.82	4.12	8	-	-	-	-	-	12.85
					TOTAL(KG	6164.74	285.36	770.65	0.00	0.00	1518.21
					TOTAL(Tonne)			8.74			

Contractor

Consultancy

Assistant Engineer(P)
Dasarhalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasra... BBMP, Ban...

Item: 23

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in

Bill No :1st and Part Bill

BARBENDING SCHEDULE FOR RETAINING WALL

Description	wall length	Dia, mm	No	L	nos	Total length	12	10	8
Measurement recorded on 31/07/19									
Retaining Wall									
B/W grid A and H along 1	21.77								
B/W grid 1and 2 along H	3.58								
B/W grid 1and 3 along A	12.01								
total length	37.36								
Main bars @ 125mm C/c		12	299	7.4	1	2212.60	1969.21		
Main bars @ 175mm C/c		12	214	6.85	1	1465.90	1304.65		
Distribution Bars for Mains		10	30	37.36	2	2241.60		1401.00	
Distribution Bars @ bed		10	9	37.36	2	672.48		420.30	
B/W grid H and J along 4	9.03								
B/W grid 4 and 11 along J	3.95								
B/W grid G and J along 11	11.31								
B/W grid A and G along 3	13.92								
total length	38.21	12	305	7.4	1	2257.00	2008.73		
		12	219	6.85	1	1500.15	1335.13		
		10	18	38.21	2	1375.56		859.73	
		10	9	38.21	2	687.78		429.86	
Front side wall = 2 x5.65	11.3								
Staircase vertical wall	7.5								
with footing vertical wall	0.6								
total length	19.4								
Main Bars Top		12	156	5.20	1	810.42	721.27		
Main Bars Bottom		12	111	9.13	1	1012.88	901.46		
Distribution Bars Top		10	12	85.97	2	2063.16		1289.48	
Distribution Bars Bottom		10	8	85.97	2	1375.44		859.65	
				TOTAL(KGS)			8240.46	5260.01	
				TOTAL(MT)			**13.50**		

Contractor

Consultant

Assistant Engineer(P)
Dasarahalli,BBMP

Assistant Exe Engineer(p)
Dasarahalli (P) sub -div

Asst. Executive Engr.
Project Division, Dasrahalli Zone
BBMP, Bangalore

Item: 23

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :1st and Part Bill

BARBENDING SCHEDULE FOR PLINTH BEAM

Sl.No.	Description	Dia of Bar (in mm)	No.	No. Bars	Length of Bar (in Mts.)	Unit Weight/Mtr	Total Weight in	Total Weight in MT
	Measurement recorded on	08.02.19						
1	**Retainingwall**							
a.	**Long wall**							
	Main Bars Top	12	1	2	6	0.89	10.67	0.011
	Main Bars Bottom	12	1	2	1.775	0.89	3.16	0.003
	Destibution Bars Top	12	1	2	6	0.89	10.67	0.011
	Destibution Bars Bottom	12	1	2	3.325	0.89	5.91	0.006
b	**PB1-PB2(200x375)**							
	Top rod.	12	1	2	11.82	0.89	21.00	0.021
	Extra Top rod.	12	1	2	1.43	0.89	2.53	0.003
	Extra Top rod.	12	1	2	3.13	0.89	5.56	0.006
	Extra Top rod.	12	1	2	2.45	0.89	4.36	0.004
	Bottom rod	12	1	3	11.82	0.89	31.51	0.032
	Extra Bottom rod.	12	1	2	2.48	0.89	4.41	0.004
	Extra Bottom rod.	12	1	2	4.29	0.89	7.62	0.008
	Stirrups							
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	13	1.09	0.40	11.24	0.011
		8	1	21	1.09	0.40	9.08	0.009
c.	**PB3-PB4(200X375)**							
	Top rod.	12	1	2	11.82	0.89	21.00	0.021
	Extra Top rod.	12	1	2	1.38	0.89	2.44	0.002
	Extra Top rod.	12	1	2	3.33	0.89	5.91	0.006
	Extra Top rod.	12	1	2	2.15	0.89	3.82	0.004
	Bottom rod	12	1	3	11.82	0.89	31.51	0.032
	Extra Bottom rod.	12	1	2	2.38	0.89	4.23	0.004
	Extra Bottom rod.	12	1	2	4.54	0.89	8.06	0.008
	Stirrups							
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	14	1.09	0.40	12.10	0.012
		8	1	22	1.09	0.40	9.51	0.010
d.	**PB5-PB6(200X375)**							
	Top rod.	12	1	2	11.82	0.89	21.00	0.021
	Extra Top rod.	12	1	2	1.38	0.89	2.44	0.002
	Extra Top rod.	12	1	2	3.33	0.89	5.91	0.006
	Extra Top rod.	12	1	2	2.15	0.89	3.82	0.004
	Bottom rod	12	1	3	11.82	0.89	31.51	0.032
	Extra Bottom rod.	12	1	2	2.38	0.89	4.23	0.004
	Extra Bottom rod.	12	1	2	4.54	0.89	8.06	0.008
	Stirrups							
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	14	1.09	0.40	12.10	0.012
		8	1	22	1.09	0.40	9.51	0.010
e	**PB7(200X375)**							
	Top rod.	12	1	2	5.28	0.89	9.39	0.009
	Extra Top rod.	12	1	2	1.55	0.89	2.76	0.003
	Extra Top rod.	12	1	2	1.55	0.89	2.76	0.003
	Bottom rod	12	1	3	5.28	0.89	14.08	0.014
	Extra Bottom rod.	12	1	2	2.88	0.89	5.12	0.005
	Stirrups							
		8	2	9	1.09	0.40	7.78	0.008
		8	1	14	1.09	0.40	6.05	0.006
f	**PB8(200X375)**							
	Top rod.	12	1	2	4.10	0.89	7.29	0.007
	Bottom rod	12	1	3	4.10	0.89	10.93	0.011
	Stirrups							
		8	1	16	1.09	0.40	6.92	0.007
g.	**PB9(200X375)**							
	Top rod.	12	1	2	3.69	0.89	6.55	0.007
	Bottom rod	12	1	2	3.69	0.89	6.55	0.007
	Stirrups							
		8	1	18	1.09	0.40	7.78	0.008
h.	**PB10-PB11-PB12(200X375)**							
	Top rod.	12	1	3	11.02	0.89	29.37	0.029

	Extra Top rod.	12	1	4	10.82	0.89	38.47	0.038
	Bottom rod	12	1	3	11.02	0.89	29.37	0.029
	Stirrups							
		8	1	15	1.09	0.40	6.48	0.006
		8	1	29	1.09	0.40	12.53	0.013
		8	1	18	1.09	0.40	7.78	0.008
i.	**PB13(200X375)**							
	Top rod.	12	1	2	4.36	0.89	7.75	0.008
	Bottom rod	12	1	3	4.36	0.89	11.63	0.012
	Stirrups							
		8	1	25	1.09	0.40	10.80	0.011
j.	**PB14A-PB14-PB15-PB16-PB16A(200x375)**							
	Top rod.	12	1	2	12.49	0.89	22.20	0.022
	Extra Top rod.	12	1	2	5.28	0.89	9.38	0.009
	Extra Top rod.	12	1	2	1.18	0.89	2.09	0.002
	Extra Top rod.	12	1	2	2.26	0.89	4.01	0.004
	Bottom rod	12	1	3	12.49	0.89	33.29	0.033
	Extra Bottom rod.	12	1	2	2.21	0.89	3.93	0.004
	Extra Bottom rod.	12	1	2	2.50	0.89	4.44	0.004
	Stirrups							
		10	1	7	1.09	0.62	4.73	0.005
		10	1	32	1.09	0.62	21.61	0.022
		8	1	23	1.09	0.40	9.94	0.010
		8	1	8	1.09	0.40	3.46	0.003
		8	1	12	1.09	0.40	5.19	0.005
		10	1	11	1.09	0.62	7.43	0.007
		10	1	6	1.09	0.62	4.05	0.004
k.	**PB17-PB18(200x375)**							
	Top rod.	12	1	2	12.49	0.89	22.20	0.022
	Extra Top rod.	12	1	2	1.50	0.89	2.67	0.003
	Extra Top rod.	12	1	2	3.50	0.89	6.22	0.006
	Extra Top rod.	12	1	2	2.20	0.89	3.91	0.004
	Bottom rod	12	1	3	12.49	0.89	33.29	0.033
	Extra Bottom rod.	12	1	2	2.71	0.89	4.82	0.005
	Extra Bottom rod.	12	1	2	4.68	0.89	8.31	0.008
	Stirrups							
		8	2	9	1.09	0.40	7.78	0.008
		8	1	13	1.09	0.40	5.62	0.006
		8	2	14	1.09	0.40	12.10	0.012
		8	1	23	1.09	0.40	9.94	0.010
l.	**PB19-PB20-PB21-PB22-PB23(200x375)**							
	Top rod.	12	1	2	19.73	0.89	35.08	0.035
	Extra Top rod.	12	1	2	2.08	0.89	3.69	0.004
	Extra Top rod.	12	1	2	2.23	0.89	3.96	0.004
	Extra Top rod.	12	1	2	2.13	0.89	3.78	0.004
	Extra Top rod.	12	1	2	1.98	0.89	3.51	0.004
	Extra Top rod.	12	1	2	1.70	0.89	3.02	0.003
	Bottom rod	12	1	3	19.73	0.89	52.61	0.053
	Extra Bottom rod.	12	1	2	2.35	0.89	4.18	0.004
	Extra Bottom rod.	12	1	2	2.41	0.89	4.28	0.004
	Extra Bottom rod.	12	1	2	2.21	0.89	3.93	0.004
	Extra Bottom rod.	12	1	2	2.16	0.89	3.84	0.004
	Stirrups							
		8	1	18	1.09	0.40	7.78	0.008
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	7	1.09	0.40	6.05	0.006
		8	1	11	1.09	0.40	4.75	0.005
		8	2	7	1.09	0.40	6.05	0.006
		8	1	11	1.09	0.40	4.75	0.005
n.	**PB24(200x375)**							
	Top rod.	16	2	3	5.97	1.58	56.56	0.057
	Bottom rod	16	2	3	5.97	1.58	56.56	0.057
	Stirrups							
		8	2	18	1.09	0.40	15.56	0.016
m	**PB25(200X375)**							
	Top rod.	12	1	2	7.25	0.89	12.89	0.013
	Extra Top rod.	12	1	2	2.48	0.89	4.40	0.004
	Extra Top rod.	12	1	2	1.90	0.89	3.38	0.003
	Bottom rod	12	1	3	7.25	0.89	19.33	0.019
	Extra Bottom rod.	12	1	2	3.90	0.89	6.93	0.007
	Stirrups							
		8	2	12	1.09	0.40	10.37	0.010
		8	1	19	1.09	0.40	8.21	0.008

n.	PB26-PB27-PB28-PB29-PB30(200x375)							
	Top rod.	12	1	2	19.20	0.89	34.12	0.034
	Extra Top rod.	12	1	2	1.50	0.89	2.67	0.003
	Extra Top rod.	12	1	2	2.03	0.89	3.60	0.004
	Extra Top rod.	12	1	2	1.98	0.89	3.51	0.004
	Extra Top rod.	12	1	2	1.98	0.89	3.51	0.004
	Extra Top rod.	12	1	2	1.45	0.89	2.58	0.003
	Bottom rod	12	1	3	19.20	0.89	51.19	0.051
	Extra Bottom rod.	12	1	2	2.65	0.89	4.71	0.005
	Extra Bottom rod.	12	1	2	2.65	0.89	4.71	0.005
	Extra Bottom rod.	12	1	2	2.56	0.89	4.55	0.005
	Extra Bottom rod.	12	1	2	2.56	0.89	4.55	0.005
	Stirrups							
		8	1	15	1.09	0.40	6.48	0.006
		8	2	8	1.09	0.40	6.92	0.007
		8	1	13	1.09	0.40	5.62	0.006
		8	2	8	1.09	0.40	6.92	0.007
		8	1	13	1.09	0.40	5.62	0.006
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	8	1.09	0.40	6.92	0.007
		8	1	13	1.09	0.40	5.62	0.006
o.	PB31-PB32(200x375)							
	Top rod.	12	1	2	10.92	0.89	19.40	0.019
	Extra Top rod.	12	1	2	1.43	0.89	2.53	0.003
	Extra Top rod.	12	1	2	3.10	0.89	5.51	0.006
	Extra Top rod.	12	1	2	1.88	0.89	3.33	0.003
	Bottom rod	12	1	3	10.92	0.89	29.11	0.029
	Extra Bottom rod.	12	1	2	2.51	0.89	4.46	0.004
	Extra Bottom rod.	12	1	2	3.75	0.89	6.67	0.007
	Stirrups							
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	12	1.09	0.40	10.37	0.010
		8	1	18	1.09	0.40	7.78	0.008
p.	PB33-PB34(200x375)							
	Top rod.	12	1	2	10.92	0.89	19.40	0.019
	Extra Top rod.	12	1	2	1.43	0.89	2.53	0.003
	Extra Top rod.	12	1	2	3.10	0.89	5.51	0.006
	Extra Top rod.	12	1	2	1.88	0.89	3.33	0.003
	Bottom rod	12	1	3	10.92	0.89	29.11	0.029
	Extra Bottom rod.	12	1	2	2.51	0.89	4.46	0.004
	Extra Bottom rod.	12	1	2	3.75	0.89	6.67	0.007
	Stirrups							
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	12	1.09	0.40	10.37	0.010
		8	1	18	1.09	0.40	7.78	0.008
q.	PB35-PB36(200x375)							
	Top rod.	12	1	2	6.62	0.89	11.76	0.012
	Extra Top rod.	12	1	2	1.60	0.89	2.84	0.003
	Extra Top rod.	12	1	2	1.35	0.89	2.40	0.002
	Bottom rod	12	1	3	6.62	0.89	17.64	0.018
	Extra Bottom rod.	12	1	2	2.27	0.89	4.03	0.004
	Stirrups							
		8	1	17	1.09	0.40	7.35	0.007
		8	2	7	1.09	0.40	6.05	0.006
		8	1	11	1.09	0.40	4.75	0.005
r.	PB37-PB38(200x375)							
	Top rod.	12	1	2	9.45	0.89	16.80	0.017
	Extra Top rod.	12	1	2	2.35	0.89	4.18	0.004
	Extra Top rod.	12	1	2	2.45	0.89	4.36	0.004
	Bottom rod	12	1	3	9.45	0.89	25.20	0.025
	Extra Bottom rod.	12	1	2	3.60	0.89	6.40	0.006
	Stirrups							
		8	2	11	1.09	0.40	9.51	0.010
		8	1	18	1.09	0.40	7.78	0.008
		8	2	2	1.09	0.40	1.73	0.002
s.	PB39-PB40-PB41-PB42(200x375)							
	Top rod.	12	1	2	14.30	0.89	25.41	0.025
	Extra Top rod.	12	1	2	2.95	0.89	5.24	0.005
	Extra Top rod.	12	1	2	2.33	0.89	4.13	0.004
	Extra Top rod.	12	1	2	2.33	0.89	4.13	0.004
	Extra Top rod.	12	1	2	1.98	0.89	3.51	0.004
	Extra Top rod.	12	1	2	1.38	0.89	2.44	0.002
	Bottom rod	12	1	3	14.30	0.89	38.12	0.038
	Extra Bottom rod.	12	1	2	2.39	0.89	4.24	0.004

	Extra Bottom rod.	12	1	2	2.11	0.89	3.75	0.004
	Extra Bottom rod.	12	1	2	2.39	0.89	4.24	0.004
	Stirrups							
		8	1	10	1.09	0.40	4.32	0.004
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	7	1.09	0.40	6.05	0.006
		8	1	10	1.09	0.40	4.32	0.004
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
						Total	**1876.91**	**1.877**
							Kgs	**Tonne**

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE Item: 23

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No : 2nd and Final Bill

BARBENDING SCHEDULE FOR BASEMENT FLOOR COLUMN

Descriptions	Dia of bars	No	L	Total length	ITEM NUMBERS	25	20	16	12	10	8
Measurement recorded on 05.03.19											
Column Plinth to Basement roof											
C1(300X900)	16	10	3.60	36.00	11	-	-	625.68	-	-	-
Stirrups	8	20	2.22	44.48	11	-	-	-	-	-	190.82
	8	20	1.22	24.48	44	-	-	-	-	-	420.08
	25	18	3.60	64.80	11	2737.15	-	-	-	-	-
	8	20	2.02	40.48	11	-	-	-	-	-	173.66
C1(200X900)(A-1)	25	18	3.60	64.80	1	248.83	-	-	-	-	-
Stirrups	8	20	2.02	40.48	1	-	-	-	-	-	15.79
	8	20	1.22	24.48	4	-	-	-	-	-	38.19
C2(200X900)	25	18	3.60	64.80	2	497.66	-	-	-	-	-
Stirrups	8	20	2.02	40.48	2	-	-	-	-	-	31.57
	8	20	1.22	24.48	8	-	-	-	-	-	76.38
C3(200X750)	25	12	3.60	43.20	3	497.66	-	-	-	-	-
Stirrups	8	20	1.72	34.48	3	-	-	-	-	-	40.34
	8	20	1.20	24.08	9	-	-	-	-	-	84.52
C4(200X750)	25	8	3.60	28.80	5	552.96	-	-	-	-	-
	20	4	3.60	14.40	5	-	177.12	-	-	-	-
Stirrups	8	20	1.72	34.48	5	-	-	-	-	-	67.24
	8	20	1.20	24.08	15	-	-	-	-	-	140.87
C5(200X600)	25	10	3.60	36.00	4	552.96	-	-	-	-	-
Stirrups	8	20	1.42	28.48	4	-	-	-	-	-	44.43
	8	20	1.17	23.48	8	-	-	-	-	-	73.26
	8	20	0.26	5.28	4	-	-	-	-	-	8.24
C6(200X600)	25	6	3.60	21.60	2	165.89	-	-	-	-	-
	20	4	3.60	14.40	2	-	70.848	-	-	-	-
Stirrups	8	20	1.42	28.48	2	-	-	-	-	-	22.21
	8	20	1.17	23.48	4	-	-	-	-	-	36.63
	8	20	0.26	5.28	2	-	-	-	-	-	4.12
				TOTAL(KGS)		5253.12	247.97	625.68	0.00	0.00	1468.33
				TOTAL(Tonne)				**7.60**			

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

Item : 23

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward

Bill No :1st and Part Bill

BARBENDING SCHEDULE FOR LIFT PIT SHEAR WALL

Description	Dia of bars, mm	No	L	Total length	ITEM NUMBERS	10	8
Measurement recorded on	05-03-19						
Retaining Wall							
Long Wall	10	20	3.45	69.00	2	86.250	-
Distribution Bars	8	12	3.20	38.40	2	-	30.336
Short Wall	10	14	3.45	48.30	2	60.375	-
Distribution Bars	8	12	2.40	28.80	2	-	22.752
						146.625	53.088
					TOTAL(KGS)	199.71	
					TOTAL(MT)	**0.200**	

Contractor

NEWZEN CONSULTANT BANGALORE

Consultant

Assistant Engineer(P)
Dasarahalli,BBMP

Asst. Executive Engineer (P)
Dasarahalli Project Sub Division

Asst. Executive Engineer
Project Division, Dasarahalli Zone
BBMP, Bangalore

Item: 23

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :1st and Part Bill

BARBENDING SCHEDULE FOR SUMP

Sl.No	Dia. of Bar,mm	Descriptions	Nos	Length of Bar, m	Spacing	Length in Opp, m	No. Bars	Total Length, m	Wt. in Kg/m	Total Wt. in kg	Total Weight in MT
Measurement recorded on 05-03-19											
SUMP											
bottom slab											
	12	main	1	4.100	0.175	4.00	24	98.40	0.89	87.47	0.09
	12	dis	1	4.500	0.200	3.00	16	72.00	0.89	64.00	0.06
bottom slab Top											
	12	main	1	4.100	0.150	4.00	28	114.80	0.89	102.04	0.10
	8	dis	1	4.500	0.150	3.00	21	94.50	0.40	37.33	0.04
outer reinforcemnth											
	12	main	2	2.900	0.150	3.00	21	121.80	0.89	108.27	0.11
	8	dis	2	4.500	0.150	4.00	28	252.00	0.40	99.56	0.10
inner											
	12	main	2	2.100	0.150	3.00	21	88.20	0.89	78.40	0.08
	8	dis	2	2.100	0.150	4.00	28	117.60	0.40	46.46	0.05
top slab bottom											
bottom reinf											
	12	main	1	4.100	0.150	4.00	28	114.80	0.89	102.04	0.10
	10	dis	1	4.500	0.150	3.00	21	94.50	0.62	58.33	0.06
haunch											
	8	main	1	2.250	0.150	14.00	94	211.50	0.40	83.56	0.08
								TOTAL(KGS)		867.46	
								TOTAL(MT)			0.867

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work : Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :1st and Part Bill

BARBENDING SCHEDULE OF INTERNAL STAIRCASE

Description	Dia of bars	No	L	Total length	ITEM NUMBERS	25	20	16	12	10	8
Measurement recorded on 08.05.2019											
GROUND FLOOR											
FOOTING											
MAIN	12	16	0.6	9.60	1	-	-	-	8.54	-	-
	12	11	2.1	23.10	1	-	-	-	20.56	-	-
DIST.	8	7	1.7	11.90	1	-	-	-	-	-	4.64
VERTICAL	8	9	1.2	10.80	1	-	-	-	-	-	4.21
WS1						-	-	-	-	-	-
BOTTOM						-	-	-	-	-	-
MAIN	12	11	5.435	59.79	1	-	-	-	53.21	-	-
DIST	8	37	1.7	62.90	1	-	-	-	-	-	24.53
TOP						-	-	-	-	-	-
MAIN1	12	11	1.85	20.35	1	-	-	-	18.11	-	-
DIST	8	11	1.4	15.40	1	-	-	-	-	-	6.01
MAIN2	12	11	1.77	19.47	1	-	-	-	17.33	-	-
DIST	8	5	1.4	7.00	1	-	-	-	-	-	2.73
MAIN3	12	11	2.09	22.99	1	-	-	-	20.46	-	-
DIST	8	15	1.4	21.00	1	-	-	-	-	-	8.19
MAIN4	12	11	0.955	10.50	1	-	-	-	9.34	-	-
DIST	8	11	1.4	15.40	1	-	-	-	-	-	6.01
						-	-	-	-	-	-
MID LANDING BEAM						-	-	-	-	-	-
						-	-	-	-	-	-
MAIN	16	2	3.75	7.50	1	-	-	11.85	-	-	-
	16	3	3.75	11.25	1	-	-	17.78	-	-	-
both side end extra	12	2	1.1	2.20	1	-	-	-	1.96	-	-
DIST	10	25	1.3	32.50	1	-	-	-	-	20.15	-
WS2						-	-	-	-	-	-
BOTTOM						-	-	-	-	-	-
MAIN	12	11	6.94	76.34	1	-	-	-	67.94	-	-
DIST	8	46	1.4	64.40	1	-	-	-	-	-	25.12
TOP						-	-	-	-	-	-
mid landing top	12	11	3.125	34.38	1	-	-	-	30.59	-	-

Description	Dia of bars	No	L	Total length	ITEM NUMBERS	25	20	16	12	10	8
DIST	10	21	1.4	29.40	1	-	-	-	-	18.23	-
TOP						-	-	-	-	-	-
mid landing top	12	11	1.596	17.56	1	-	-	-	15.62	-	-
DIST	10	12	1.4	16.80	1	-	-	-	-	10.42	-
MAIN top roof top	12	11	2.095	23.05	1	-	-	-	20.51	-	-
DIST	8	14	1.45	20.30	1	-	-	-	-	-	7.92
MAIN2	12	11	2.025	22.28	1	-	-	-	19.82	-	-
				TOTAL(KGS)		0	0	29.63	304.01	48.79	89.35
				TOTAL(Tonne)					**0.47**		

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

Item: 23

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :1st and Part Bill								
BARBENDING SCHEDULE FOR BASEMENT FLOOR ROOF BEAM								
Sl.No.	**Description**	**Dia of Bar (in mm)**	**No.**	**No. Bars**	**Length of Bar (in Mts.)**	**Unit Weight/Mtr**	**Total Weight in Kgs**	**Total Weight in MT**
	Measurement recorded on	18.05.19						
1	**Basement floor roof beam**							
a.	**BB1-BB2(200x375)**							
	Top rod.	16	1	3	11.82	1.58	56.01	0.056
	Extra Top rod.	12	1	2	1.43	0.89	2.53	0.003
	Extra Top rod.	20	1	2	3.13	2.47	15.43	0.015
	Extra Top rod.	12	1	2	2.45	0.89	4.36	0.004
	Bottom rod	16	1	3	11.82	1.58	56.01	0.056
	Extra Bottom rod.	16	1	2	4.29	1.58	13.54	0.014
	Stirrups							
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	13	1.09	0.40	11.24	0.011
		8	1	21	1.09	0.40	9.08	0.009
b.	**BB3-BB4(200X375)**							
	Top rod.	16	1	3	11.82	1.58	56.01	0.056
	Extra Top rod.	12	1	2	1.38	0.89	2.44	0.002
	Extra Top rod.	20	1	2	3.33	2.47	16.42	0.016
	Extra Top rod.	12	1	2	2.15	0.89	3.82	0.004
	Bottom rod	20	1	3	11.82	2.47	87.52	0.088
	Extra Bottom rod.	16	1	2	4.54	1.58	14.33	0.014
	Stirrups							
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	14	1.09	0.40	12.10	0.012
		8	1	22	1.09	0.40	9.51	0.010
c.	**BB5-BB6(200X375)**							
	Top rod.	16	1	2	11.82	1.58	37.34	0.037
	Extra Top rod.	12	1	2	1.38	0.89	2.44	0.002
	Extra Top rod.	20	1	2	3.33	2.47	16.42	0.016
	Extra Top rod.	12	1	2	2.15	0.89	3.82	0.004
	Bottom rod	20	1	2	11.82	2.47	58.35	0.058
	Extra Bottom rod.	16	1	2	4.54	1.58	14.33	0.014
	Stirrups							
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	14	1.09	0.40	12.10	0.012
		8	1	22	1.09	0.40	9.51	0.010
d.	**BB7(200X375)**							
	Top rod.	12	1	2	5.28	0.89	9.39	0.009
	Extra Top rod.	12	1	4	1.55	0.89	5.51	0.006
	Bottom rod	12	1	3	5.28	0.89	14.08	0.014
	Extra Bottom rod.	12	1	2	2.88	0.89	5.12	0.005
	Stirrups							
		8	2	9	1.09	0.40	7.78	0.008
		8	1	14	1.09	0.40	6.05	0.006
e	**BB8(200X375)**							
	Top rod.	16	1	3	4.10	1.58	19.44	0.019
	Bottom rod	16	1	3	4.10	1.58	19.44	0.019
	Stirrups							
		8	1	16	1.09	0.40	6.92	0.007
f	**BB9(200X375)**							
	Top rod.	16	1	3	3.69	1.58	17.47	0.017
	Bottom rod	16	1	3	3.69	1.58	17.47	0.017
	Stirrups							
		8	1	18	1.09	0.40	7.78	0.008
g.	**BB10-BB11-BB12(200X375)**							
	Top rod.	16	1	3	11.02	1.58	52.22	0.052
	Extra Top rod.	16	1	2	10.82	1.58	34.20	0.034
	Bottom rod	12	1	3	11.02	0.89	29.37	0.029
	Extra Bottom rod.	16	1	3	5.43	1.58	25.74	0.026

	Stirrups	8	1	15	1.09	0.40	6.48	0.006
		8	1	29	1.09	0.40	12.53	0.013
		8	1	18	1.09	0.40	7.78	0.008
h.	**BB13(200X375)**							
	Top rod.	16	1	3	4.36	1.58	20.67	0.021
	Bottom rod	16	1	3	4.36	1.58	20.67	0.021
	Stirrups							
		8	1	25	1.09	0.40	10.80	0.011
i.	**BB14A-BB14-BB15-BB16-BB16A(200x375)**							
	Top rod.	16	1	3	12.49	1.58	59.19	0.059
	Extra Top rod.	16	1	2	5.28	1.58	16.67	0.017
	Extra Top rod.	16	1	2	1.18	1.58	3.71	0.004
	Extra Top rod.	16	1	3	2.26	1.58	10.69	0.011
	Bottom rod	12	1	3	12.49	0.89	33.29	0.033
	Stirrups							
		10	1	7	1.09	0.62	4.73	0.005
		10	1	32	1.09	0.62	21.61	0.022
		8	1	23	1.09	0.40	9.94	0.010
		8	1	8	1.09	0.40	3.46	0.003
		8	1	12	1.09	0.40	5.19	0.005
		10	1	11	1.09	0.62	7.43	0.007
		10	1	6	1.09	0.62	4.05	0.004
j.	**BB17-BB18(200x375)**							
	Top rod.	16	1	3	12.49	1.58	59.19	0.059
	Extra Top rod.	12	1	2	1.50	0.89	2.67	0.003
	Extra Top rod.	16	1	2	3.50	1.58	11.06	0.011
	Extra Top rod.	16	1	2	2.20	1.58	6.95	0.007
	Bottom rod	16	1	3	12.49	1.58	59.19	0.059
	Extra Bottom rod.	12	1	2	2.71	0.89	4.82	0.005
	Extra Bottom rod.	16	1	2	4.68	1.58	14.78	0.015
	Stirrups							
		8	2	9	1.09	0.40	7.78	0.008
		8	1	13	1.09	0.40	5.62	0.006
		8	2	14	1.09	0.40	12.10	0.012
		8	1	23	1.09	0.40	9.94	0.010
k.	**BB19-BB20-BB21-BB22-BB23(200x375)**							
	Top rod.	12	1	3	19.73	0.89	52.61	0.053
	Extra Top rod.	12	1	2	2.08	0.89	3.69	0.004
	Extra Top rod.	12	1	2	2.23	0.89	3.96	0.004
	Extra Top rod.	12	1	2	2.13	0.89	3.78	0.004
	Extra Top rod.	12	1	2	1.98	0.89	3.51	0.004
	Extra Top rod.	12	1	2	1.70	0.89	3.02	0.003
	Bottom rod	12	1	3	19.73	0.89	52.61	0.053
	Extra Bottom rod.	12	1	2	2.35	0.89	4.18	0.004
	Extra Bottom rod.	12	1	2	2.41	0.89	4.28	0.004
	Extra Bottom rod.	12	1	2	2.21	0.89	3.93	0.004
	Extra Bottom rod.	12	1	2	2.16	0.89	3.84	0.004
	Stirrups							
		8	1	18	1.09	0.40	7.78	0.008
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	7	1.09	0.40	6.05	0.006
		8	1	11	1.09	0.40	4.75	0.005
		8	2	7	1.09	0.40	6.05	0.006
		8	1	11	1.09	0.40	4.75	0.005
l.	**BB24(200x375)**							
	Top rod.	16	1	3	5.97	1.58	28.28	0.028
	Bottom rod	16	1	3	5.97	1.58	28.28	0.028
	Stirrups							
		8	1	18	1.09	0.40	7.78	0.008
l.	**BB24A-BB24(200x375)**							
	Top rod.	20	1	2	5.97	2.47	29.46	0.029
	Extra Top rod.	20	1	2	5.60	2.47	27.65	0.028
	Bottom rod	20	1	3	5.97	2.47	44.19	0.044
	Stirrups							
		10	1	11	1.09	0.62	7.43	0.007

		10	1	18	1.09	0.62	12.16	0.012
m.	BB25(200X375)							
	Top rod.	16	1	3	7.25	1.58	34.37	0.034
	Extra Top rod.	16	1	2	2.48	1.58	7.82	0.008
	Extra Top rod.	16	1	2	1.90	1.58	6.00	0.006
	Bottom rod	20	1	3	7.25	2.47	53.70	0.054
	Extra Bottom rod.	16	1	2	3.90	1.58	12.33	0.012
	Stirrups							
		8	2	12	1.09	0.40	10.37	0.010
		8	1	19	1.09	0.40	8.21	0.008
n.	BB26-BB27-BB28-BB29-BB30(200x375)							
	Top rod.	12	1	3	19.20	0.89	51.19	0.051
	Extra Top rod.	16	1	2	1.50	1.58	4.74	0.005
	Extra Top rod.	16	1	2	2.03	1.58	6.40	0.006
	Extra Top rod.	16	1	2	1.98	1.58	6.24	0.006
	Extra Top rod.	16	1	2	1.98	1.58	6.24	0.006
	Extra Top rod.	12	1	2	1.45	0.89	2.58	0.003
	Bottom rod	12	1	3	19.20	0.89	51.19	0.051
	Extra Bottom rod.	12	1	2	2.65	0.89	4.71	0.005
	Extra Bottom rod.	12	1	2	2.65	0.89	4.71	0.005
	Extra Bottom rod.	12	1	2	2.56	0.89	4.55	0.005
	Extra Bottom rod.	12	1	2	2.56	0.89	4.55	0.005
	Stirrups							
		8	1	15	1.09	0.40	6.48	0.006
		8	2	8	1.09	0.40	6.92	0.007
		8	1	13	1.09	0.40	5.62	0.006
		8	2	8	1.09	0.40	6.92	0.007
		8	1	13	1.09	0.40	5.62	0.006
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	8	1.09	0.40	6.92	0.007
		8	1	13	1.09	0.40	5.62	0.006
o.	BB31A-BB31-BB32(200x375)							
	Top rod.	20	1	2	10.92	2.47	53.90	0.054
	Extra Top rod.	20	1	2	7.41	2.47	36.57	0.037
	Extra Top rod.	16	1	2	1.88	1.58	5.94	0.006
	Bottom rod	20	1	2	10.92	2.47	53.90	0.054
	Extra Bottom rod.	16	1	2	3.75	1.58	11.85	0.012
	Stirrups							
		10	1	11	1.09	0.62	7.43	0.007
		10	1	36	1.09	0.62	24.31	0.024
		8	2	12	1.09	0.40	10.37	0.010
		8	1	18	1.09	0.40	7.78	0.008
p.	BB33A-BB33-BB34(200x375)							
	Top rod.	20	1	2	10.92	2.47	53.90	0.054
	Extra Top rod.	20	1	2	7.44	2.47	36.72	0.037
	Extra Top rod.	12	1	2	1.88	0.89	3.33	0.003
	Bottom rod	12	1	3	10.92	0.89	29.11	0.029
	Extra Bottom rod.	12	1	2	2.51	0.89	4.46	0.004
	Extra Bottom rod.	12	1	2	3.75	0.89	6.67	0.007
	Stirrups							
		10	1	11	1.09	0.62	7.43	0.007
		10	1	12	1.09	0.62	8.10	0.008
		8	2	12	1.09	0.40	10.37	0.010
		8	1	18	1.09	0.40	7.78	0.008
q.	BB35-BB36(200x375)							
	Top rod.	16	1	3	6.62	1.58	31.36	0.031
	Extra Top rod.	12	1	2	4.47	0.89	7.94	0.008
	Bottom rod	16	1	3	6.62	1.58	31.36	0.031
	Stirrups							
		8	1	17	1.09	0.40	7.35	0.007
		8	2	7	1.09	0.40	6.05	0.006
		8	1	11	1.09	0.40	4.75	0.005
r.	BB37-BB38(200x375)							
	Top rod.	16	1	3	9.45	1.58	44.80	0.045
	Extra Top rod.	12	1	2	2.35	0.89	4.18	0.004
	Extra Top rod.	16	1	2	2.45	1.58	7.74	0.008
	Bottom rod	16	1	3	9.45	1.58	44.80	0.045
	Extra Bottom rod.	12	1	2	3.60	0.89	6.40	0.006

	Stirrups							
		8	2	11	1.09	0.40	9.51	0.010
		8	1	18	1.09	0.40	7.78	0.008
		8	2	2	1.09	0.40	1.73	0.002
s.	**BB39-BB40-BB41-BB42(200x375)**							
	Top rod.	12	1	3	14.30	0.89	38.12	0.038
	Extra Top rod.	12	1	2	2.95	0.89	5.24	0.005
	Extra Top rod.	12	1	2	2.33	0.89	4.13	0.004
	Extra Top rod.	12	1	2	2.33	0.89	4.13	0.004
	Extra Top rod.	12	1	2	1.98	0.89	3.51	0.004
	Extra Top rod.	12	1	2	1.38	0.89	2.44	0.002
	Bottom rod	12	1	3	14.30	0.89	38.12	0.038
	Extra Bottom rod.	12	1	2	2.39	0.89	4.24	0.004
	Extra Bottom rod.	12	1	2	2.11	0.89	3.75	0.004
	Extra Bottom rod.	12	1	2	2.39	0.89	4.24	0.004
	Stirrups	8	1	10	1.09	0.40	4.32	0.004
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
		8	2	7	1.09	0.40	6.05	0.006
		8	1	10	1.09	0.40	4.32	0.004
		8	2	8	1.09	0.40	6.92	0.007
		8	1	12	1.09	0.40	5.19	0.005
						Total	**2748.76**	**2.749**
								ton

Contractor

NEWZEN CONSULTANT BANGALORE

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

Item : 23

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :1st and Part Bill

BARBENDING SCHEDULE FOR BASEMENT ROOF SLAB

SL No	Dia. of Bar,m	Descriptions	Nos	Length of Bar	Spacing	Length in Opp	No. Bars	Total Length	Wt. in Kg/m	Total Wt. in kg	Total Weight in MT
		Measurement recorded on 08-05-19									
		BASEMENT FLOOR ROOF SLAB									
1		**Slab-S1**									
	8	Main bar-Cranked-shorter	1	4.836	0.150	3.98	15	72.540	0.395	28.658	0.029
	8	Main bar-Straight-shorter	1	3.960	0.150	3.98	15	59.400	0.395	23.467	0.023
	10	Dist. bar-cranked-longer	1	5.831	0.150	3.56	14	81.634	0.617	50.391	0.050
	10	Dist. bar-Straight-Longer	1	4.380	0.150	3.56	14	61.320	0.617	37.852	0.038
2		**Slab-S2**									
	12	Main bar-Cranked-shorter	1	4.836	0.150	6.34	24	116.064	0.889	103.168	0.103
	12	Main bar-Straight-shorter	1	3.960	0.150	6.34	24	95.040	0.889	84.480	0.084
	10	Dist. bar-cranked-longer	1	7.811	0.150	3.56	14	109.354	0.617	67.502	0.068
	10	Dist. bar-Straight-Longer	1	6.735	0.150	3.56	14	94.290	0.617	58.204	0.058
3		**Slab-S3**									
	8	Main bar-Cranked-shorter	2	5.791	0.150	3.98	14	162.148	0.395	64.058	0.064
	8	Main bar-Straight-shorter	2	3.960	0.150	3.98	14	110.880	0.395	43.804	0.044
	10	Dist. bar-cranked-longer	2	5.831	0.150	3.56	13	145.775	0.617	89.985	0.090
	10	Dist. bar-Straight-Longer	2	4.380	0.150	3.56	13	109.500	0.617	67.593	0.068
4		**Slab-S4**									
	12	Main bar-Cranked-shorter	1	5.666	0.120	6.34	29	164.314	0.889	146.057	0.146
	12	Main bar-Straight-shorter	1	3.860	0.120	6.34	29	111.940	0.889	99.502	0.100
	10	Dist. bar-cranked-longer	1	7.811	0.150	3.57	14	109.354	0.617	67.502	0.068
	10	Dist. bar-Straight-Longer	1	6.735	0.150	3.57	14	94.290	0.617	58.204	0.058
5		**Slab-S4A**									
	12	Main bar-Cranked-shorter	1	5.441	0.120	6.34	29	157.789	0.889	140.257	0.140
	12	Main bar-Straight-shorter	1	3.960	0.120	6.34	29	114.840	0.889	102.080	0.102
	10	Dist. bar-cranked-longer	1	7.811	0.150	3.57	14	109.354	0.617	67.502	0.068
	10	Dist. bar-Straight-Longer	1	6.735	0.150	3.57	14	94.290	0.617	58.204	0.058
6		**Slab-S5**									
	8	Main bar-Cranked-shorter	1	4.926	0.150	3.98	15	73.890	0.395	29.191	0.029
	8	Main bar-Straight-shorter	1	4.050	0.150	3.98	15	60.750	0.395	24.000	0.024
	10	Dist. bar-cranked-longer	1	5.256	0.150	3.65	14	73.584	0.617	45.422	0.045
	10	Dist. bar-Straight-Longer	1	4.380	0.150	3.65	14	61.320	0.617	37.852	0.038
7		**Slab-S6(Sunken)**									
	10	Main bar-Cranked-shorter	1	3.776	0.150	3.98	14	52.864	0.617	32.632	0.033
	10	Main bar-Straight-shorter	1	3.795	0.150	3.98	14	53.130	0.617	32.796	0.033
	8	Dist. bar-cranked-longer	1	5.356	0.150	3.65	13	66.950	0.395	26.449	0.026
	8	Dist. bar-Straight-Longer	1	4.380	0.150	3.65	13	54.750	0.395	21.630	0.022
8		**Slab-S7**									
	12	Main bar-Cranked-shorter	1	5.391	0.150	5.77	22	118.602	0.889	105.424	0.105

Sl. No	Dia. of Bar,m	Descriptions	Nos	Length of Bar	Spacing	Length in Opp	No. Bars	Total Length	Wt. in Kg/m	Total Wt. in kg	Total Weight in MT
	12	Main bar-Straight-shorter	1	3.715	0.150	5.77	22	81.730	0.889	72.649	0.073
	10	Dist. bar-cranked-longer	1	8.466	0.150	3.47	12	101.592	0.617	62.711	0.063
	10	Dist. bar-Straight-Longer	1	6.175	0.150	3.47	12	74.100	0.617	45.741	0.046
9		**Slab-S8**									
	8	Main bar-Cranked-shorter	1	3.941	0.150	3.98	14	55.174	0.395	21.797	0.022
	8	Main bar-Straight-shorter	1	3.050	0.150	3.98	14	42.700	0.395	16.869	0.017
	8	Dist. bar-cranked-longer	1	4.236	0.150	3.32	12	48.714	0.395	19.245	0.019
	8	Dist. bar-Straight-Longer	1	3.350	0.150	3.32	12	38.525	0.395	15.220	0.015
10		**Slab-S9(Sunken)**									
	8	Main bar-Cranked-shorter	1	3.016	0.150	3.06	12	36.192	0.395	14.298	0.014
	8	Main bar-Straight-shorter	1	3.090	0.150	3.06	12	37.080	0.395	14.649	0.015
	8	Dist. bar-cranked-longer	1	3.311	0.150	2.69	11	36.421	0.395	14.389	0.014
	8	Dist. bar-Straight-Longer	1	3.460	0.150	2.69	11	38.060	0.395	15.036	0.015
11		**Slab-S10**									
	8	Main bar-Cranked-shorter	1	3.081	0.150	5.93	21	63.161	0.395	24.952	0.025
	8	Main bar-Straight-shorter	1	3.110	0.150	5.93	21	63.755	0.395	25.187	0.025
	8	Dist. bar-cranked-longer	1	8.401	0.175	2.71	8	67.208	0.395	26.551	0.027
	8	Dist. bar-Straight-Longer	1	6.350	0.175	2.71	8	50.800	0.395	20.069	0.020
12		**Slab-S11**									
	8	Main bar-Cranked-shorter	1	4.281	0.150	3.85	14	57.794	0.395	22.832	0.023
	8	Main bar-Straight-shorter	1	3.460	0.150	3.85	14	46.710	0.395	18.453	0.018
	8	Dist. bar-cranked-longer	1	4.186	0.150	3.46	12	50.232	0.395	19.845	0.020
	8	Dist. bar-Straight-Longer	1	3.460	0.150	3.46	12	41.520	0.395	16.403	0.016
13		**Slab-S12**									
	10	Main bar-Cranked-shorter	1	4.611	0.150	3.85	14	62.249	0.617	38.425	0.038
	10	Main bar-Straight-shorter	1	3.860	0.150	3.85	14	52.110	0.617	32.167	0.032
	8	Dist. bar-cranked-longer	1	4.976	0.150	3.51	12	59.712	0.395	23.590	0.024
	8	Dist. bar-Straight-Longer	1	4.250	0.150	3.51	12	51.000	0.395	20.148	0.020
14		**Slab-S13**									
	10	Main bar-Cranked-shorter	1	5.111	0.150	3.46	12	61.332	0.617	37.859	0.038
	10	Main bar-Straight-shorter	1	3.110	0.150	3.46	12	37.320	0.617	23.037	0.023
	8	Dist. bar-cranked-longer	1	6.381	0.150	2.71	10	60.620	0.395	23.948	0.024
	8	Dist. bar-Straight-Longer	1	5.060	0.150	2.71	10	48.070	0.395	18.991	0.019
15		**Slab-S13A**									
	10	Main bar-Straight-shorter	2	1.400	0.150	2.71	10	26.600	0.617	16.420	0.016
	8	Dist. bar-cranked-longer	1	4.131	0.150	1.20	5	18.590	0.395	7.344	0.007
	8	Dist. bar-Straight-Longer	1	3.110	0.150	1.20	5	13.995	0.395	5.529	0.006
16		**Slab-S14**									
	10	Main bar-Cranked-shorter	1	4.981	0.150	4.23	15	72.225	0.617	44.583	0.045
	10	Main bar-Straight-shorter	1	5.060	0.150	4.23	15	73.370	0.617	45.290	0.045
	8	Dist. bar-cranked-longer	1	5.356	0.175	3.46	11	56.238	0.395	22.217	0.022
	8	Dist. bar-Straight-Longer	1	4.360	0.175	3.46	11	45.780	0.395	18.086	0.018

Sl. No	Dia. of Bar,m	Descriptions	Nos	Length of Bar	Spacing	Length in Opp	No. Bars	Total Length	Wt. in Kg/m	Total Wt. in kg	Total Weight in MT
17		**Slab-S14A**									
	10	Main bar-Straight-shorter	2	1.400	0.150	4.23	16	44.800	0.617	27.654	0.028
	8	Dist. bar-cranked-longer	1	5.356	0.150	1.20	7	37.492	0.395	14.812	0.015
	8	Dist. bar-Straight-Longer	1	4.360	0.150	1.20	7	30.520	0.395	12.057	0.012
									Total	**2732.92**	**2.733**
										Kgs	**Tonne**

Contractor

NEWZEN CONSULTANT BANGALORE
Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

Item. 23

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :1st and Part Bill 08-05-19

BARBENDING SCHEDULE OF EXTERNAL STAIRCASE GROUND FLOOR

	Dia of bars	No	L	Total length	ITEM NUMBERS	25	20	16	12	10	8
FOOTING											
MAIN	12	21	0.8	16.80	1	-	-	-	14.952	-	-
MAIN	12	21	1.2	25.20	1	-	-	-	22.428	-	-
DISTRIBUTION	10	9	3.3	29.70	1	-	-	-	-	18.41	-
MAIN	12	21	2	42.00	1	-	-	-	37.38	-	-
DISTRIBUTION	10	14	3	42.00	1	-	-	-	-	26.04	-
WS1						-	-	-	-	-	-
BOTTOM						-	-	-	-	-	-
MAIN	12	21	5.75	120.75	1	-	-	-	107.4675	-	-
DIST	8	39	3	117.00	1	-	-	-	-	-	45.63
MID LANDING BEAM						-	-	-	-	-	-
						-	-	-	-	-	-
MAIN	12	21	3.4	71.40	1	-	-	-	63.546	-	-
MAIN	12	21	3.4	71.40	1	-	-	-	63.546	-	-
DISTRIBUTION	10	24	3	72.00	1	-	-	-	-	44.64	-
SECTION 2-2											
FOOTING											
MAIN	12	17	1.1	18.70	1	-	-	-	16.643	-	-
MAIN	12	17	1.95	33.15	1	-	-	-	29.5035	-	-
DISTRIBUTION	8	11	2.4	26.40	1	-	-	-	-	-	10.296
MAIN	12	17	1.6	27.20	1	-	-	-	24.208	-	-
DISTRIBUTION	8	9	2.4	21.60	1	-	-	-	-	-	8.424
WS2						-	-	-	-	-	-
BOTTOM						-	-	-	-	-	-
MAIN	12	17	6.55	111.35	1	-	-	-	99.1015	-	-
DIST	8	34	2.4	81.60	1	-	-	-	-	-	31.824
MAIN(BOTTOM)	12	17	2.1	35.70	1	-	-	-	31.773	-	-
DIST	8	12	2.4	28.80	1	-	-	-	-	-	11.232
MAIN(TOP)	12	17	1.53	26.01	1	-	-	-	23.1489	-	-
DIST	8	9	2.4	21.60	1	-	-	-	-	-	8.424

MAIN(BOTTOM)	12	17	1.63	27.71	1	-	-	-	24.6619	-	-
DIST	8	9	2.4	21.60	1	-	-	-	-	-	8.424
MAIN(TOP)	12	17	1.6	27.20	1	-	-	-	24.208	-	-
				TOTAL(KGS)		0	0	0	582.5673	89.09	124.254
				TOTAL(Tonne)					**0.80**		

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :1st and Part Bill

8-5-19

BARBENDING SCHEDULE OF GROUND FLOOR (RAMP)

	Dia of bars	No	L	Total length	ITEM NUMBERS	25	20	16	12	10	8
FOOTING											
MAIN	12	13	1.05	13.65	1	-	-	-	12.15	-	-
MAIN	12	13	1.85	24.05	1	-	-	-	21.40	-	-
MAIN	12	13	1.95	25.35	1	-	-	-	22.56	-	-
DISTRIBUTION	8	7	1.735	12.15	1	-	-	-	-	-	4.74
DISTRIBUTION	8	12	1.735	20.82	1	-	-	-	-	-	8.12
DISTRIBUTION	8	12	1.735	20.82	1	-	-	-	-	-	8.12
WS1						-	-	-	-	-	-
BOTTOM						-	-	-	-	-	-
MAIN	12	13	6.6	85.80	1	-	-	-	76.36	-	-
DIST	8	39	1.735	67.67	1	-	-	-	-	-	26.39
TOP											
MAIN	12	13	5.7	74.10	1	-	-	-	65.95	-	-
DISTRIBUTION	8	34	1.735	58.99	1	-	-	-	-	-	23.01
MAIN	12	13	1.3	16.90	1	-	-	-	15.04	-	-
DISTRIBUTION	8	8	1.735	13.88	1	-	-	-	-	-	5.41
MAIN	12	13	0.9	11.70	1	-	-	-	10.41	-	-
DISTRIBUTION	8	6	1.735	10.41	1	-	-	-	-	-	4.06
TOP											
MAIN	12	13	1.3	16.90	1	-	-	-	15.04	-	-
BOTTOM						-	-	-	-	-	-
MAIN	12	13	0.75	9.75	1	-	-	-	8.68	-	-
DIST	8	5	1.75	8.75	1	-	-	-	-	-	3.41
				TOTAL(KGS)		0	0	0	247.60	0	83.26
				TOTAL(Tonne)		**0.33**					

Contractor

Consultancy

Assistant Engineer(P)
Dasarahalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarahalli,BBMP

Asst. Executive Engineer
Project Division, Dasarahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No : 2nd and Final Bill

BARBENDING SCHEDULE FOR GROUND FLOOR COLUMN

Descriptions	Dia of bars	No	L	Total length	ITEM NUMBERS	25	20	16	12	10	8
Measurement recorded on 20.05.19											
Ground floor Column											
C1(300X900)	16	10	1.45	14.50	11	-	-	252.01	-	-	-
Stirrups	8	20	2.22	44.48	11	-	-	-	-	-	190.82
	8	20	1.22	24.48	44	-	-	-	-	-	420.08
	25	18	1.45	26.10	11	1102.46	-	-	-	-	-
	8	20	2.02	40.48	11	-	-	-	-	-	173.66
C1(200X900)(A-1)	25	18	1.45	26.10	1	100.22	-	-	-	-	-
Stirrups	8	20	2.02	40.48	1	-	-	-	-	-	15.79
	8	20	1.22	24.48	4	-	-	-	-	-	38.19
C2(200X900)	25	18	1.45	26.10	2	200.45	-	-	-	-	-
Stirrups	8	20	2.02	40.48	2	-	-	-	-	-	31.57
	8	20	1.22	24.48	8	-	-	-	-	-	76.38
C3(200X750)	25	12	1.45	17.40	3	200.45	-	-	-	-	-
Stirrups	8	20	1.72	34.48	3	-	-	-	-	-	40.34
	8	20	1.20	24.08	9	-	-	-	-	-	84.52
C4(200X750)	25	8	1.45	11.60	5	222.72	-	-	-	-	-
	20	4	1.45	5.80	5	-	71.34	-	-	-	-
Stirrups	8	20	1.72	34.48	5	-	-	-	-	-	67.24
	8	20	1.20	24.08	15	-	-	-	-	-	140.87
C5(200X600)	25	10	1.45	14.50	4	222.72	-	-	-	-	-
Stirrups	8	20	1.42	28.48	4	-	-	-	-	-	44.43
	8	20	1.17	23.48	8	-	-	-	-	-	73.26
	8	20	0.26	5.28	4	-	-	-	-	-	8.24
C6(200X600)	25	6	1.45	8.70	2	66.816	-	-	-	-	-
	20	4	1.45	5.80	2	-	28.536	-	-	-	-
Stirrups	8	20	1.42	28.48	2	-	-	-	-	-	22.21
	8	20	1.17	23.48	4	-	-	-	-	-	36.63
	8	20	0.26	5.28	2	-	-	-	-	-	4.12
				TOTAL(KGS)		2115.84	99.88	252.01	0.00	0.00	1468.33
				TOTAL(Tonne)		**3.94**					

Contractor

Consultancy

Assistant Engineer(P)
Dasarhalli,BBMP

Asst Executive Engineer (P)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasr...
BBMP, Bangalo...

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in

Bill No :2nd and Part Bill

BARBENDING SCHEDULE FOR LINTEL BEAM

Sl. No.	Description	Dia of Bar (mm)	No.of Beam	No. Bars	Length of Bar (in Mts.)	Total length (Mts)	Unit Weight/ Mtr	Total Weight in Kgs	Total Weight in MT
	Measurement recorded on	21/05/2019							
1	**Basement floor roof beam**								
A	**A1B1,B1C1,C1D1,A3B3,B3C3,C3D3,A1A2(2 nos), A2A3,D1E1, D1-D2, H6-I6**								
	Top rod.	12	12	2	3.00	72.00	0.89	64.08	0.064
	Bottom rod	12	12	2	3.00	72.00	0.89	64.08	0.064
	Stirrups	8	12	18	0.65	140.40	0.395	55.46	0.055
B.	**E1F1, H'5-H5, F1F5**								
	Top rod.	12	3	2	2.50	15.00	0.89	13.35	0.013
	Bottom rod	12	3	2	2.50	15.00	0.89	13.35	0.013
	Stirrups	8	3	14	0.65	27.30	0.395	10.78	0.011
C.	**H'5-I5**								
	Top rod.	12	1	2	5.24	10.48	0.89	9.33	0.009
	Bottom rod	12	1	3	5.24	15.72	0.89	13.99	0.014
	Stirrups	8	1	32	0.65	20.80	0.395	8.22	0.008
D.	**H10-I10,**								
	Top rod.	12	1	2	4.40	8.80	0.89	7.83	0.008
	Bottom rod	12	1	3	4.40	13.20	0.89	11.75	0.012
	Stirrups	8	1	28	0.65	18.20	0.395	7.19	0.007
E	**J7-J11**								
	Top rod.	16	1	2	5.30	10.60	1.65	17.49	0.017
	Bottom rod	16	1	3	5.30	15.90	1.65	26.24	0.026
	Stirrups	8	1	32	0.85	27.20	0.395	10.74	0.011
F	**LIFT,UPS,H8I8,WASHING,COMMON BATH, & at STAIR**								
	Top rod.	12	7	2	1.80	25.20	0.89	22.43	0.022
	Bottom rod	12	7	2	1.80	25.20	0.89	22.43	0.022
	Stirrups	8	7	28	1.80	352.80	0.395	139.36	0.139
G	**FOR LINTELS FOR DOOR D2**								
	Top rod.	12	4	2	1.35	10.80	0.89	9.61	0.010
	Bottom rod	12	4	2	1.35	10.80	0.89	9.61	0.010
	Stirrups	8	4	9	1.35	48.60	0.395	19.20	0.019
H	**FOR LINTELS FOR DOOR D1**								
	Top rod.	12	6	2	1.50	18.00	0.89	16.02	0.016
	Bottom rod	12	6	2	1.50	18.00	0.89	16.02	0.016
	Stirrups	8	6	9	1.50	81.00	0.395	32.00	0.032

I	**FOR CHEJJA RODS - for .0.45 mt projection**								
	Top rod.	8	15		0.75	11.25	0.395	4.44	0.004
	Bottom rod	8	15		0.75	11.25	0.395	4.44	0.004
	Distribution	8	15	1.5	0.75	16.88	0.395	6.67	0.007
									0.636
	Contractor						Consultancy		
	Assistant Engineer(P)						Asst Executive Engineer (P)		
							Sub division Dasarahalli,BBMP		

NEWZEN CONSULTANT BANGALORE

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
25	KSRB 9.4-1 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications.							
Measurement Recorded on:-		27/09/19						
	Total doors: 12	**Cum**						
	Bathroom door		24	2.15	0.075	0.125	0.48	
			5	0.90	0.075	0.125	0.04	
			5	1.05	0.075	0.125	0.05	
			2	1.20	0.075	0.125	0.02	
	Main door frame(8'x4')		8	2.40	0.100	0.20	0.38	
			2	1.80	0.100	0.20	0.07	
			2	1.20	0.100	0.20	0.05	
						Present Qty	**1.10**	**Cum**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBM

Assistant Exe Engineer(p)
Sub division Dasrahalli, BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
27	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raui plugs, or teak wood gatties including cutting masonry or concrete and making good the originai surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality							
Measurement Recorded on:- 23/09/19								
	Sliding Windows	9	1.50			1.20	16.20	
		1	1.20			1.20	1.44	
		2	0.90			1.20	2.16	
		1	3.00			0.60	1.80	
	Entrance @ D2	1	2.40			2.10	5.04	
						Present Qty	**26.64**	**Sqm**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
28	KSRB 7.8: Providing and fixing in position in cement concrete 1:3:6 steel Sqm glazed windows and ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of25x33x3mm, weighing 1.419 kg/m both for outer and inner framcs and central mullion section of size 25x46x3mm, weighing 2.28kg/m all duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows, not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and grinded electrically subdividing frames of unit shall be tenonned and revetted into the frames electrically. AH the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour charges and HOM of machinery complete as per specifications.							
Measurement Recorded on:- 27/09/19								
	Ventilators	**Sqm**	7	0.75		0.60	3.15	
						Present Qty	**3.15**	**Sqm**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
29	KSRB 7.9 : Providing and fixing M.S.grill work for windows and Kgs ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.							
Measurement Recorded on:-		27/09/19						
	Fixed grill			9	1.50	1.20	16.20	
				1	1.05	1.20	1.26	
				2	0.90	1.20	2.16	
				1	3.00	0.60	1.80	
				2	1.10	2.35	5.17	
							26.59	
	Considering @ 17 kgs /sqm					26.59	17.00	**452.03**
	Gate			1	12.00	1.20	14.40	
	Considering @ 20 kgs /sqm					14.40	20.00	**288.00**
	40 mm pipe for staircase			**2**	**6.0**	12.00		
						Present Qty	**740.03**	**Kg**

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

Contractor

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Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
34	KSRB 14-17.2 : Providing skirting, dadoing, rises of steps with colour glazed tiles 15x15cmc 6mm on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS							
Measurement Recorded on:-		16/08/19, 14/09/2019						
	Bathroom (General)							
	Gents flooring	1	1	1.7		3.85	6.55	
	Wall Cladding	1	1	14.38		2.10	30.20	
	Laldies flooring	1	1	1.7		3.05	5.19	
	Wall Cladding	1	1	12.2		2.10	25.62	
	Washing Room	1	1	19.5		2.10	40.95	
	Flooring	1	1	3.98		3.65	14.53	
	Skirting	1	1	18.0		0.10	1.80	
	Doctor Bath floor	1	1	1.6		1.30	2.08	
	Daddooing	1	1	5.1		2.10	10.71	
	Bathroom (N) floor	1	1	2.00		1.32	2.64	
	for wall cladding	1	1	6.00		2.10	12.60	
	for ramp portion anti skid	1	1	1.75		20.00	35.00	
						Present Qty	**187.86**	**Sqm**

Contractor

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Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
35	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification							
Measurement Recorded on:-		16/08/19, 14/09/2019						
	Canopy skirting	1	2	7.25			14.50	
		1	2	1.20			2.40	
		1	1	3.00			3.00	
		1	2	4.20			8.40	
	Skirting	1	1	6.00			6.00	
	Skirting	1	2	10.98			21.96	
		1	1	10.55			10.55	
		1	1	4.50			4.50	
		1	2	2.40			4.80	
	Corridor skirting	1	1	6.65			6.65	
		1	1	6.10			6.10	
	Waiting room	1	2	3.46			6.92	
		1	1	9.50			9.50	
	doctor	1	2	3.16			6.32	
		1	2	3.10			6.20	
	UPS ROOM	1	1	11.5			11.50	
	Gents Urinals	1	3	2.5			7.50	
	Wash basin	1	2	1.7			3.40	
	washbasin edge	1	1	1.85			1.85	
	at ramp	1	2	3.65			7.30	
	Steps Skrting	1	1	9.65			9.65	
	Tank Area Skirting	1	1	11.20			11.20	
	Steps External	1	12	2.25			27.00	
						Present Qty	**197.20**	**M**

Contractor

Consultancy

Assistant Engineer(P)
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Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasarahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
39	0179 Handles to full width 0.3 mt long							
Measurement Recorded on:-		27/09/19						
	MAIN DOOR		22				22.00	
						Present Qty	**22.00**	**Nos**

Contractor

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Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
40	0188 Hinges 5" heavy duty							
Measurement Recorded on:-		27/09/19						
			60				60.00	
						Present Qty	**60.00**	**Nos**

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Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
41	0427 Tower bolt 300 mm long							
Measurement Recorded on:-		27/09/19						
			24				24	
						Present Qty	**24.00**	**Nos**

Contractor

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Dasrahalli,BBM

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Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
42	Providing Screws							
Measurement Recorded on:-		27/09/19						
			150				150	
						Present Qty	**150.00**	**Nos**

Contractor

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Dasrahalli,BBMP

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Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
43	0220 Locking arrangements							
Measurement Recorded on:-		27/09/19						
			7				7	
						Present Qty	7.00	**Nos**

KR
Contractor

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Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
46	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. Area to be considered - (a) 100% for fresh surface (b) Upto 10 % for repainting							
Measurement Recorded on:-		16/08/19 – 23/08/19						
	Qty vide : 32						344.93	
	Qty vide : 31						378.73	
						Present Qty	**723.66**	

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

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Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
47	KSRB 15-15.1 : Providing and applying painting with primer in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surfacc cven and sand paper smooth, cost of materials, labour, complete as per specifications.							
Measurement Recorded on:-		04/10/19						
	Qty vide : 32						344.93	
	Qty vide : 31						378.73	
						Present Qty	**723.66**	

Contractor

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Assistant Engineer(P)
Dasrahalli,BBMI

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
49	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges							
Measurement Recorded on:-		04/10/19						
	A -H	1	1	18.43		4.00	73.72	
		1	1	2.20		4.00	8.80	
		1	1	10.21		4.00	40.84	
		1	1	0.70		2.20	1.54	
		1	1	4.15		4.00	16.60	
	Northern side	1	1	16.80		4.00	67.20	
	G/F S/C wall side	1	2	8.55		2.20	37.62	
		1	1	4.20		2.20	9.24	
		1	1	3.00		2.20	6.60	
	Western side	1	1	10.92		4.00	43.68	
	Canopy beam	1	2	1.20		0.60	1.44	
		1	1	1.00		1.15	1.15	
		1	1	7.54		0.60	4.52	
	Stair case bottom	1	1	3.05		4.85	14.79	
	sides	1	2	4.85		0.15	1.46	
		1	1	2.25		3.00	6.75	
	sides	2	14	0.15/2		0.30	0.63	
		1	10	3.00		0.15	0.11	
		1	10	0.15/2		0.30	0.23	
						Present Qty	**336.92**	**Sqm**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
50	KSRB 15-17.5: Applying priming coat over new wood surface and / or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications							
Measurement Recorded on:-		04/10/19						
	D	2	5	1.05		2.10	22.05	
	D1	2	5	0.90		2.10	18.90	
	D2	2	4	0.75		2.10	12.60	
	Main door	2	1	4.40		2.40	21.12	
						Present Qty	**74.67**	✓

Contractor

Consultant

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
51	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials,labour, complete as per specifications.							
Measurement Recorded on:-		04/10/19						
	D	2	5	1.05		2.10	22.05	
	D1	2	5	0.90		2.10	18.90	
	D2	2	4	0.75		2.10	12.60	
	Main door	2	1	4.40		2.40	21.12	
						Present Qty	**74.67**	Sqm

Contractor

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Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
53	KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications..							
Measurement Recorded on:-		04/10/19						
	vide item 44						0	
	vide item 28						3.15	
						Present Qty	**3.15**	**Cum**

Contractor

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Assistant Engineer(P)
Dasrahalli,BBMP

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Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
54	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.							
Measurement Recorded on:-		07/10/19						
	vide item 53						3.15	
						Present Qty	**3.15**	✓

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BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
57	KSRB 11-4 : Providing and fixing white vitreous china clay, water pan closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labourcomplete as per specifications. Specification No. KBS 11							
Measurement Recorded on:-		05/10/19						
			2				2.00	
						Present Qty	**2.00**	NOS

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Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
58	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11							
Measurement Recorded on:-		05/10/19						
			2				2.00	
						Present Qty	**2.00**	

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Dasrahalli,BBMP

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Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
59	SRB 11-11.2 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a single 15mm C.P brass pillar tap with C.I I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11							
Measurement Recorded on:-		04/10/19						
			4				4.00	
						Present Qty	**4.00**	NOS

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Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
60	0114 Copper plated brass piller tap							
Measurement Recorded on:-		27/10/19						
			8				8.00	
						Present Qty	**8.00**	

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BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
61	KSRB 11-9.1: Providing and fixing white vitreous china clay, flat back or half stall urinal basin of size 580x380x350mm with 5 litres P.V.C automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps C.I dtrap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. (I. No.12.15, P.No 79, SR:2016-17)							
Measurement Recorded on:-		07/10/19						
			3				3.00	
						Present Qty	**3.00**	Nos

Contractor

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Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
62	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C, top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS							
Measurement Recorded on:-		07/10/19						
			5				5.00	
						Present Qty	**5.00**	Nos

Contractor

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Dasrahalli,BBMP

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Sub division Dasarhalli,BBMP

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Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
63	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the wallsetc.)20 MM Pipe							
Measurement Recorded on:-		26/07/19						
			70				70.00	
						Present Qty	**70.00**	Note

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length** m	**Breadth** m	**Depth** m	**Quantity**	**Remarks**
64	25 MM Pipe							
Measurement Recorded on:-		28/08/19						
			70				70.00	
						Present Qty	**70.00**	**Nos**

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Dasrahalli,BBMP

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Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
65	32 MM Pipe							
Measurement Recorded on:-		26/07/19						
			70				70.00	
						Present Qty	**70.00**	**Nos**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
66	KSRB 8.6-7: Providing and fixing on wail surface 4.0 kg I sq.cm H.D.P.E. tt) rain down water pipes 110 mm outer dia. approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications							
Measurement Recorded on:-		04/10/19						
			32				32.00	
						Present Qty	**32.00**	**Nos**

Contractor

NEWZEN CONSULTANT
Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
67	Providing and fixing unplasticised PVC with 110mm outer dia pipes 10.00 kg/sq.cm working pressure chemp plast I Wavin or equivalent make with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM of equipment and testing complete as per specifications.							
Measurement Recorded on:-		4/10/19						
			100				100.00	
						Present Qty	**100.00**	**Nos**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
68	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 :1996 with manhole lid and suitable locking\ arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per spedfications.(For1000 litre capacity) Specification No.KBS 13.22							
Measurement Recorded on:-		4/10/19						
			1				1.00	
						Present Qty	**1.00**	**Nos**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
69	Submersible Single Phase 1.0HP/75KW Stage 15							
Measurement Recorded on:-		04/10/19						
			1				1.00	
						Present Qty	**1.00**	**Nos**

Contractor

NEWZEN CONSULTANTS BANGALORE

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
70	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular Unit shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications.							
Measurement Recorded on:-		04/10/19						
			4				4.00	Nos
						Present Qty	**4.00**	

Contractor

NEWZEN CONSULTANT BANGALORE
Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
71	KSRB 11-16: Providing and fixing 600x120mm glass shelf supported on aliuminium angle frame with C.P brass brackets, guard rail fixed to wooden cleats with C.P. brass screws and washers including cost of materials, labour complete as per specifications.							
Measurement Recorded on:-		04/10/19						
			4				4.00	
						Present Qty	**4.00**	**Nos**

Contractor

NEETEN CONSULTANT BANGALORE

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
73	Providing and fixing Cl Nahani trap of 12.5cms X 7.5cms approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot).							
Measurement Recorded on:-		04/10/19						
			8				8.00	
						Present Qty	**8.00**	**Nos**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
74	KSRB13-6.4-1 : Providing and fixing in position brass ball valve high or Each low pressure with plastic float of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.							
Measurement Recorded on:-		04/10/19						
			4				4.00	
						Present Qty	**4.00**	**Nos**

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

NEMZEN CONSULTANCY * BANGALORE *
Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
75	KSRB13-7.2-1 : Providing and fixing in position 25mm nominal bore non-return valve vertical type of approved make including cost of all materials, labour and HOM of equipments with ail leads complete as per specifications. Specification No.KBS 13.2.10/13.13							
Measurement Recorded on:-		04/10/19						
			3				3.00	
						Present Qty	**3.00**	**Nos**

Contractor

NEWZEN CONSULTANT BANGALORE

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
76	Providing and fixing gun metal wheel valve 20mm dia conforming to IS specification of approved make as per directions including all lead and lift etc. :							
Measurement Recorded on:-		04/10/19						
			5				5.00	
						Present Qty	**5.00**	**Nos**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBM

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP .

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
77	Providing gun metal pillar cocks 15mm dia of I class conforming to ISI specifications and fixing them in position as per directions including of cost of materials and fixtures and conveyance to spot.							
Measurement Recorded on:-		04/10/19						
			5				5.00	
						Present Qty	**5.00**	**Nos**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
78	Providing NP/CP waste unions conforming 40mm dia to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete.							
Measurement Recorded on:-		04/10/19						
			8				8.00	
						Present Qty	**8.00**	**Nos**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBM

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
79	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcemcnt rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.19/20mm dia 2mm thick(P.No-2 ,I No-1.2.1 of PWD S.R 2014-15)							
Measurement Recorded on:-		08-05-2019						
	PVC conduit pipe in roof		1	400			400	
						Present Qty	**400.00**	**Rmt**

Contractor

NEW ZEN CONSULTANT BANGALORE

Consultancy

Assistant Engineer(P)
Dasrahalli,BBM

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
80	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.a)25mm dia 2 mm thick(P.No-2 ,I No-1.2.2 of PWD S.R 2014-15)							
Measurement Recorded on:-		08-07-2019						
	PVC conduit pipe in roof			**400**			**400.00**	
						Present Qty	**400.00**	**Rmt**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
81	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.19/20mm dia 2mm thick							
Measurement Recorded on:-								
	PVC conduit pipe in roof			**400**			**400.00**	
						Present Qty	**400.00**	**Rmt**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBM

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
83	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 32mm dia 2.5mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.32mm dia 2.5 mm thick(P.No-2 ,I No-1.3.3 of PWD S.R 2014-15)							
Measurement Recorded on:-		26/07/19						
	PVC conduit In internal wall			30			30.00	
						Present Qty	30.00	Rmt

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
84	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of (,I No-2.5 of PWD S.R 2014-15)Group-A.1.0 Sqm							
Measurement Recorded on:-		29/9/19						
	1 sq mm			**500.0**			**500.0**	✓
						Present Qty	**500.00**	**Rmt**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMI

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
85	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of (,I No-2.5 of PWD S.R 2014-15)Group-A.1.5Sqm							
Measurement Recorded on:-								
				600.0			**600.0**	
						Present Qty	**600.00**	**Rmt**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length** m	**Breadth** m	**Depth** m	**Quantity**	**Remarks**
86	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of (,I No-2.5 of PWD S.R 2014-15)Group-A2.5Sqm							
Measurement Recorded on:-		29/09/19						
				400.0			400.0	
						Present Qty	**400.00**	**Rmt**

Contractor

NEWZEN CONSULTANT BANGALORE

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
87	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of (,I No-2.5 of PWD S.R 2014-15)Group-A.4.0Sqm							
Measurement Recorded on:-		29/09/19						
87	4.0 sq mm			**300.0**			**300.0**	
						Present Qty	**300.00**	**Rmt**

Contractor

NEWZEN CONSULTANT * BANGALORE *
Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
88	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of (,I No-2.5 of PWD S.R 2014-15)Group-A10.0Sqm							
Measurement Recorded on:-		29/09/19						
				30.0			**30.0**	
						Present Qty	**30.00**	**Rmt**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
89	Point wiring using Copper wire without switch.Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using 1100V Grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose lenght in a wood/PVC round block. complete for each outlet.(5/2.3)(,I No-2.3 Pg No. 5of PWD S.R 2014-15) Using class A materials Short point up to 3mtrs from tapping point to out let via switch							
Measurement Recorded on:-		29/09/19						
	short point - 3 mt length			**20.0**			**20.0**	
						Present Qty	**20.00**	**each**

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

BANGALORE NEMZEN CONSULTANT
Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
90	Medium point a above 3mtr up to 6mtr from tapping point to out let via switch							
Measurement Recorded on:-		29/09/19						
	Medium point - 3 mt - 6 mtr			**20.0**			**20.0**	
						Present Qty	**20.00**	**each**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
91	Long point a above 6mtr up to 10mtr from tapping point to out let via switch							
Measurement Recorded on:-		29/09/19						
	Long point - 6 mt - 10			**20.0**			**20.0**	
	Present Qty						**20.00**	**each**

Contractor

CONSULTANT * NEW ZEN * BANGALORE

Consultancy

Assistant Engineer(P)

Dasrahalli,B

Assistant Exe Engineer(p)

Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
92	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC60898.5-32Amps DP 5-32Amps DP MCB (,I No-6.15.5 of PWD S.R 2014-15)							
Measurement Recorded on:-		29/09/19						
	5-32Amps DP 5-32Amps DP MCB			**2.0**			**2.00**	
						Present Qty	**2.00**	**each**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
93	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC60898.5-32Amps SP MCB (,I No-6.15.1 of PWD S.R 2014-15)							
Measurement Recorded on:-		29/09/19						
	5-32Amps SP MCB			**5.0**			**5.00**	
						Present Qty	**5.00**	**each**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
94	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC60898.32-40A FP ELMCB (,I No-6.17.3 of PWD S.R 2014-15)							
Measurement Recorded on:-		29/09/19						
	32-40A FP ELMCB			**2.00**			**2.0**	
						Present Qty	**2.00**	**each**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
95	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC60898.16-25A DP ELMCB (,I No-6.17.1 of PWD S.R 2014-15)							
Measurement Recorded on:-		29/09/19						
	16-25A DP ELMC			**2.00**			**2.0**	
						Present Qty	**2.00**	**each**

Contractor

NEWZEN CONSULTANT BANGALORE

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
96	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure,III-Single Door.Group A12Way SP &N (,I No-6.16.13 of PWD S.R 2014-15)							
Measurement Recorded on:-		29/09/19						
	MCB distribution board			**2.00**			**2.0**	
						Present Qty	**2.00**	**nos**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasrahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
97	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mounting using required clamps, bolts, nuts etc. with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with power coated painting etc., complete: Double door: 6 way TP &N , Group (A)(,I No-6.16.15 of PWD S.R 2014-15)							
Measurement Recorded on:-		29/09/19						
	Double door: 6 way TP &N			**2.00**			**2.0**	
						Present Qty	**2.00**	**nos**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
98	Supply and fixing of bakelite D.P/Socket/ switch with/without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 Group-A.32Amps Flush/projected types DP switch							
Measurement Recorded on:-		29/09/19						
	32Amps Flush/projected types DP switch			**35.00**			**35.0**	
						Present Qty	**35.00**	**nos**

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

Consultants

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
99	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plateas per IS 3854 and IS 1293 Group "A" materials k) TV/Telephone socket (8/18)(,I No-9.1 of PWD S.R 2014-15)							
Measurement Recorded on:-		29/04/19						
	electronic fan regulator			**10.00**			**10.0**	
						Present Qty	**10.00**	**nos**

Contractor

NEWZEN CONSULTANT BANGALORE

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
100	Supply patti type fluorescent tube light fitting of 4'- 28 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with HF Electronic Ballast,locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 Volts A C Supply including T5 lamp Group - A(Page No - 21,I No-4.11.1 of PWD S.R 2014-15)							
Measurement Recorded on:-		29/09/19						
	fluorescent tube light fittings			**10.00**			**10.0**	
						Present Qty	**10.00**	**nos**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
101	Supplying of recessed/surface mount aesthetic 2'x2' modular luminaries made out of single piece powder coated CRCA sheet steel accommodating all electrical accessories like Energy Saving Electronic Ballast suitable to operate on 230V 50Hz AC supply with 2x36Watts PLL-compact fluorescent lamp, pre-wired up to terminal block with bright anodized aluminum reflector & P5 paralite louvers with spring loaded plastic toggles complete.2x36 Watts Group - A(Page No - 114, I No-17.7.1 of PWD S.R 2014-15)							
Measurement Recorded on:-		27/10/19						
	modular luminaries			**5.00**			**5.0**	
						Present Qty	**5.00**	**nos**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
102	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved. 48" Sweep (1400mm) a.Regular model (23/23)(Page No - 11, I No-32 of PWD S.R 2014-15)							
Measurement Recorded on:-		05/10/19						
	ceiling fan			**10.00**			**10.0**	
						Present Qty	**10.00**	**nos**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Project Division, Dasarahalli Town
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
103	Supply and fixinjg metal fan box with round hook(Page No - 115, I No-17.9 of PWD S.R 2014-15).							
Measurement Recorded on:-		05/09/19						
	metal fan box			**30.00**			**30.0**	
						Present Qty	**30.00**	**nos**

Contractor

Consultant

NEWZEN CONSULTANT BANGALORE

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
104	6Amps SP Switch (I No-3.7.1 of PWD S.R 2014-15)							
Measurement Recorded on:-		07/10/19						
	6 Amps SP Switch			**30.00**			**30.0**	
						Present Qty	**30.00**	**each**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
105	6Amps 3way 5 pin socket (I No-3.7.3 of PWD S.R 2014-15)							
Measurement Recorded on:-		04/10/19						
	6 Amps 3 way 5 pin socket			**40.00**			**40.0**	
						Present Qty	**40.00**	**each**

Contractor

Assistant Engineer(P)
Dasrahalli,BBMP

Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
106	16Amps SP Switch (I No-3.7.7 of PWD S.R 2014-15)							
Measurement Recorded on:-		05/10/19						
	16 Amps SP Switch			**30.00**			**30.0**	
						Present Qty	**30.00**	**each**

Contractor

Consultancy

Assistant Engineer(P)

Dasrahalli,BBMP

Assistant Exe Engineer(p)

Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
107	16Amps 3way 5 pin Socket (I No-3.7.10 of PWD S.R 2014-15)							
Measurement Recorded on:-		07/10/19						
	16 Amps 3 way 5 pin socket			**40.00**			**40.0**	
						Present Qty	**40.00**	**each**

Contractor

NEWZEN CONSULTANT BANGALORE

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
108	32Amps Flush/projected types DP switch (I No-3.7.9 of PWD S.R 2014-15)							
Measurement Recorded on:- 05/10/19								
	32 Amps Flush DP Switch			**10.00**			**10.0**	
						Present Qty	**10.00**	**each**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
109	Supplying and flush mounting powder coated metal / galvanised metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall (15/3.5)(I No-3.5of PWD S.R 2014-15) 1-3Way(I No-3.5.1of PWD S.R 2014-15)							
Measurement Recorded on:-		05/10/19						
	1-3 way			**40.00**			**40.0**	
						Present Qty	**40.00**	**each**

Contractor

NEW ZEN CONSULTANT ★ BANGALORE ★
Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
110	Supplying and flush mounting powder coated metal / galvanised metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall (15/3.5)(I No-3.5of PWD S.R 2014-15)4-5Way (I No-3.5.2of PWD S.R 2014-15)							
Measurement Recorded on:-		05/10/19						
	4-5 way switch			**10.00**			**10.0**	
						Present Qty	**10.00**	**each**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
111	Supplying and flush mounting powder coated metal / galvanised metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall (15/3.5)(I No-3.5of PWD S.R 2014-15)6Way (I No-3.5.3of PWD S.R 2014-15)							
Measurement Recorded on:-		8/10/19						
	6 Way			**10.00**			**10.0**	
						Present Qty	**10.00**	**each**

Contractor

NEWZEN CONSULTANT BANGALORE

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
112	Supplying and flush mounting powder coated metal / galvanised metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall (15/3.5)(I No-3.5of PWD S.R 2014-15) 8Way (I No-3.5.4of PWD S.R 2014-15)							
Measurement Recorded on:-		05/10/19						
	8 Way			**2.00**			**2.0**	
						Present Qty	**2.00**	**each**

Contractor

Consultancy

HEWZEN CONSULTANT BANGALORE

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Exe. Engineer
Project Division, Dasarahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
113	Supplying and flush mounting powder coated metal / galvanised metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall (15/3.5)(I No-3.5of PWD S.R 2014-15) 10-12Way (I No-3.5.5of PWD S.R 2014-15)							
Measurement Recorded on:-		07/10/19						
	10-12 Way			**1.00**			**1.0**	
						Present Qty	**1.00**	**each**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
114	Supplying and flush mounting powder coated metal / galvanised metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall (15/3.5)(I No-3.5of PWD S.R 2014-15) 16Way (I No-3.5.6of PWD S.R 2014-15)							
Measurement Recorded on:-		9/10/19						
	16 Way			**1.00**			**1.0**	
						Present Qty	**1.00**	**each**

Contractor

Assistant Engineer(P)
Dasarahalli,BBMP

Consultancy

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
115	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.(15/16/3.6) (I No-3.6of PWD S.R 2014-15) 1 to 3 Module (I No-3.6.1of PWD S.R 2014-15)							
Measurement Recorded on:-		07/10/19						
	1-3 module			**40.00**			**40.0**	
						Present Qty	**40.00**	**each**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
116	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.(15/16/3.6) (I No-3.6of PWD S.R 2014-15) 4Moudule (I No-3.6.2 of PWD S.R 2014-15)							
Measurement Recorded on:-		6/10/19						
	4 - module			**10.00**			**10.00**	
						Present Qty	**10.00**	**each**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
117	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.(15/16/3.6) (I No-3.6of PWD S.R 2014-15) 4Moudule (I No-3.6.2 of PWD S.R 2014-15)							
Measurement Recorded on:-		07/10/19						
	6 - module			**20.00**			**20.00**	
						Present Qty	**20.00**	**each**

Contractor

CONSULTANT * ORE * NE W ZEN *

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
118	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.(15/16/3.6) (I No-3.6of PWD S.R 2014-15) 4Moudule (I No-3.6.2 of PWD S.R 2014-15)							
Measurement Recorded on:-		07/10/19						
	8 - module			**4.00**			**4.0**	
						Present Qty	**4.0**	**each**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
119	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.(15/16/3.6) (I No-3.6of PWD S.R 2014-15) 10Moudule (I No-3.6.5 of PWD S.R 2014-15)							
Measurement Recorded on:-		01/10/19						
	10 - module			**4.00**			**4.0**	
						Present Qty	**4.0**	**each**

Contractor

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division, Dasrahalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
120	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.(15/16/3.6) (I No-3.6of PWD S.R 2014-15) 12Moudule (I No-3.6.6 of PWD S.R 2014-15)							
Measurement Recorded on:-		05/10/19						
	12 - module			**10.00**			**10.0**	
						Present Qty	**10.0**	**each**

Contractor

NEWZEN CONSULTANT * BANGALORE

Consultancy

Assistant Engineer(P)
Dasrahalli,BBMP

Assistant Exe Engineer(p)
Sub division Dasarhalli,BBMP

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
121	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.(15/16/3.6) (I No-3.6of PWD S.R 2014-15) 19/20mm junction box(I No-1.5.1of PWD S.R 2014-15)							
Measurement Recorded on:-		05/10/19						
	19/20 junction box			**150.00**			**150.0**	
						Present Qty	**150.0**	**each**

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Name of Agency :- M/s.K R Govindaraju								
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Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
122	Supplying and fixing of class A (medium duty)GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arraingements for UG cable of 1.1KV class.40mm(I No-7.1 of PWD S.R 2014-15)							
Measurement Recorded on:-		8/10/19						
	40 mm GI pipe			**8.00**			**8.0**	
						Present Qty	**8.0**	**mt**

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BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Remarks
123	Spplying, fixing ,wiring, earth electrode for grounding conduits, I C cutouts and other equipments on the meter board using 40mm dia 2.9mm thick GI pipe 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connectionh from the pipe to the conduit etc, is to be established through GI wire of size as per ISI Specification 7.3.3. of IS 732 using 12mm dia bolts, nuts,wahers anfd check nuts etc,the pipe shall have 16 through hole of 122 mm dia(68/1)(I No-7.22.3 of PWD S.R.2014-15)							
Measurement Recorded on:-		07/10/19						
	Earth electrode			**4.00**			**4.0**	
						Present Qty	**4.0**	**mt**

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BRUHATH BANGALORE MAHANAGARA PALIKE								
Name of Agency :- M/s.K R Govindaraju								
Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13								
Bill No :2nd and Final Bill								
Sl No	**Description of work**	**Unit**	**No**	**Length**	**Breadth**	**Depth**	**Quantity**	**Remarks**
				m	**m**	**m**		
125	Supplying tinned copper lugs crimping and wiring to terminal point for wire of the following sizes.2.5sqmm.(Page No. 70, I No-7.21.8of PWD S.R 2014-15)							
Measurement Recorded on:-		05/10/14						
	copper lugs 2.5 sq mm			**60.00**			**60.0**	
						Present Qty	**60.0**	**mt**

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BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
126	Supplying tinned copper lugs crimping and wiring to terminal point for wire of the following sizes.- 35Sqmm Long Barrel(PageNo. 66, I No-12of PWD S.R 2014-15)							
Measurement Recorded on:-		05/10/19						
	copper lugs 3.5 sqmm			**8.00**			**8.0**	
						Present Qty	**8.0**	**mt**

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BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Agency :- M/s.K R Govindaraju

Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
129	Supplying and fixing of class A (medium duty)GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arraingements for UG cable of 1.1KV class.40mm(I No-7.1 of PWD S.R 2014-15)							
Measurement Recorded on:-		05/10/19						
	20W T5 single/twin Lamp & suspension mounted luminaire							
		1	**15.0**				**15.00**	
						Present Qty	**15.00**	**each**

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Name of Work (as per sanctioned estimate): Construction of Dialysis centre at Mallasandra in ward No:13

Bill No :2nd and Final Bill

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Remarks
				m	m	m		
130	Spplying, fixing ,wiring, earth electrode for grounding conduits, I C cutouts and other equipments on the meter board using 40mm dia 2.9mm thick GI pipe 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connectionh from the pipe to the conduit etc, is to be established through GI wire of size as per ISI Specification 7.3.3. of IS 732 using 12mm dia bolts, nuts,wahers anfd check nuts etc,the pipe shall have 16 through hole of 122 mm dia(68/1)(I No-7.22.3 of PWD S.R 2014-15)							
Measurement Recorded on:-		05/10/19						
	CFL mirror light fittings							
		Cum	**4.0**				**4.00**	
						Present Qty	**4.00**	**each**

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